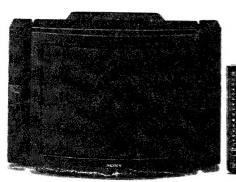
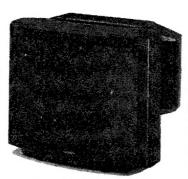
KV-E2531D/E2931D/E3431D KV-E2531B/E2931B/E3431B

RM-830

SERVICE MANUAL



(Photo: KV-E2531D/ E2931D, E2531B/ E2931B)



(Photo: KV-E3431D, E3431B)



AEP Model

KV-E2531D

Chassis No. SCC-F18A-A KV-E2931D

Chassis No. SCC-F18B-A KV-E3431D

Chassis No. SCC-F18C-A

French Model

KV-E2531B

Chassis No. SCC-F32A-A

KV-E2931B

Chassis No. SCC-F32B-A KV-E3431B

Chassis No. SCC-F32C-A

AE-2 CHASSIS

M	ODELS	OF	THE	SAME	SERIES
(V-E2531	D/E29310	/E34	31D	·····	
(V-E2531E	B/E29318	/E343	31B		

SPECIFICATIONS

RM-830

[KV-E2531D/E2931D/E3431D]

Television system B/G/H, D/K

Channel coverage PAL B/G/H VHF: E2-E12 UHF: E21-E69

CABLE TV (1) : S1-S41

CABLE TV (2) : S01-S05, M1-M10, U1-U10

ITALIA VHF: A-H2 (C) UHF: 21-69

D/K VHF: R01-R12 UHF: R21-R69

[KV-E2531B/E2931B/E3431B]

Television system B/G/H, D/K L, I

Channel coverage L VHF: F02-F10 UHF: F21-F69

CABLE: B-Q

B/G/H VHF: E2-E12 UHF: E21-E69

CABLE TV (1) : S1-S41

CABLE TV (2) : S01-S05, M1-M10, U1-U10

ITALIA VHF: A-H2 (C) UHF: 21-69

D/K VHF: R01-R12

UHF: R21-R69 UHF: B21-B69

Color system Stereo system Picture tube

PAL, SECAM, NTSC3.58, NTSC4.43

GERMAN stereo

Hi-Black Trinitron tube

Approx. 63 cm (25 inches)

(Approx. 59 cm picture measured diagonally)

110 ° -degree deflection

Approx. 72 cm (29 inches)

(Approx. 68 cm picture measured diagonally)

110 ° -degree deflection

Approx. 86.0 cm (34 inches)

(Approx. 80.0 cm picture measured diagonally)

110 $^{\circ}$ -degree deflection

-Continued to next page-

TRINITRON® COLOR TV SONY



KV-E2531D/E2931D/E3431D KV-E2531B/E2931B/E3431B RM-830 RM-830

Inputs/Outputs Terminals

(REAR)

- 1 21-pin Euro connector

(CENELEC standard)

Inputs for audio and video signals

inputs for RGB

· outputs of TV video and audio signals

→ 2/- 2 21-pin Euro connector

· inputs for audio and video signals

· inputs for S video

· outputs for audio and video signals

(selectable)

→ 4/- 4 21-pin Euro connector

· inputs for audio and video signals

· inputs for S video

· outputs for audio and video signals

(monitor out)

-⊕ 2, -⊕ 4 S video inputs

• 4 pin DIN

O Audio inputs (L, R) -phono jacks

€ S video output - 4 pin DIN

→ Audio outputs - phono jacks

O Audio outputs (variable) - phono jacks

External speaker terminals: 2 pin

Woofer terminal: 2 pin

(FRONT)

10 3 Video input-phono jack

O Audio input-phono jacks

→ 3 5 video input 4-pin DIN

∩ Headphone jack : Stereo minijack

Sound output

Power consumption

2×11W RMS (side speakers), 35W

music power (woofer)

 2×30 W (side speakers), 35W (woofer)

106.5Wh (KV-E2531D)108Wh (KV-E2531B)

115Wh (KV-E2931D) 122Wh (KV-E2931B) 139Wh (KV-E3431D) 139Wh (KV-E3431B)

Approx.756 x 493 x 468 mm (w/h/d)Dimensions incl.speakers

(KV-E2531D/E2531B)

Approx.837 x 553 x 513 mm (w/h/d)

(KV-E2931D/E2931B)

Appro. $822 \times 659 \times 587$ mm (w/h/d)

(KV-E3431D/E3431B)

Weight incl.speakers Approx. 40 kg (KV-E2531D/E2531B)

> Approx. 53 kg (KV-E2931D/E2931B) Approx. 78 kg (KV-E3431D/E3431B)

Supplied accessories RM-830 Remote Commander (1)

(KV-E2531D/E2931D/E2531B/E2931B)

RM-832 Remote Commander (1)

(KV-E3431D/E3431B)

IEC designation R6 batteries (2) Digital comb filter (High resolution)

PIP (Picture-in-picture)

TOPTEXT

[RM-830/832]

Other features

Remote control system

Power requirements

3V dc

2 batteries IEC designation

R6 (size AA)

infrared control

Dimentions

Approx.65 \times 222 \times 21 mm (w/h/d)

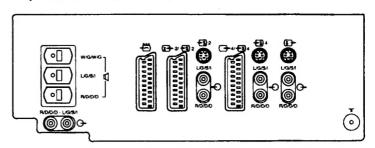
Weight

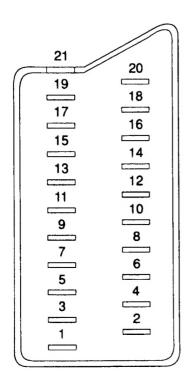
Approx.157g (Not including Batteries)

Design and specifications are subject to change without notice.

Model name	KV-E2531D	KV-E2531B	KV-E2931D	KV-E2931B	KV-E3431D	KV E3431B
Pal Comb	ON	ON	ON	ON	ON	ON
PiP	ON	ON	ON	ON	ON	ON
RGB Priority	ON	OFF	ON	OFF	ON	OFF
Wooter Box	ON	ON	ON	ON	ON	ON
Scart 1	ON	ON	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON	ON	ON
Front In (3)	ON	ON	ON	ON	ON	ON
Scart 4	ON	ON	ON	ON	ON	ON
Dyn.Convergence	OFF	OFF	OFF	OFF	ON	ON
Projector	OFF	OFF	OFF	OFF	OFF	OFF
AxB in 16:9 mode	ON	ON	ON	ON	ON	ON
Norm B/G	ON	ON	ON	ON	ON	ON
Norm I	OFF	ON	OFF	ON	OFF	ON
Norm D/K	ON	ON	ON	ON	ON	ON
Norm AUS	OFF	OFF	OFF	OFF	OFF	OFF
Norm L	OFF	ON	OFF	ON	OFF	ON
Norm SAT	OFF	OFF	OFF	OFF	OFF	OFF
Norm N	OFF	OFF	OFF	OFF	OFF	OFF
Language Preset	Deutsch	Francais	Deutsch	Francais	Deutsch	Francais

21 pin connector (-61, G-2/G-4)





Pin No	1	2	4	Signal	Signal level
1	0	0	0	Audio output B (right)	Standard level: 0.5Vrms Output impedance:less than 1kohm*
2	0	0	0	Audio input B (right)	Standard level:0.5Vrms Input impedance:More than 10kohms*
3	0	0	0	Audio output A (left)	Standard level:0.5Vrms Output impedance:less than 1kohm*
4	0	0	0	Ground (audio)	
5	0	0	0	Ground (blue)	
6	0	0	0	Audio input A (left)	Standard level:0.5Vrms Input impedance:More than 10kohms*
7	0	•	•	Blue input	0.7V±3dB, 75ohms, positive
8	0	0	0	Function select (AV control)	High state (9.5—12V):Part mode Low state (0—2V):TV mode Input impedance:More than 10kohms Input capacitance:Less than 2nF
9	0	0	0	Ground (green)	
10	0	0	0	Open	
11	0	•	•	Green	Green signal:0.7V±3dB. 75ohms, positive
12	0	0	0	Open	
13	0	0	0	Ground(red)	
14	0	0	0	Ground (blanking)	
15	0	_	_	Red input	0.7V±3dB, 75ohms, positive
	_	0	0	(S signal) croma input	0.3V±3dB, 75ohms, positive
16	0	•	•	Blanking input (Ys signal)	High state (1—3V) Low state (0—0.4V) Input impedance:75ohms
17	0	0	0	Ground (video output)	
18	0	0	0	Ground (video input)	
19	0	0	0	Video output	1V±3dB, 75ohms, positive Sync:0.3V(-3, +10dB)
20	0	-	-	Video input	1V±3dB, 75ohms, positive Sync:0.3V(-3, +10dB)
	_	0	0	Video Input/Y (S signal)	1V±3dB, 75ohms, positive Sync:0.3V(-3, +10dB)
21	0	0	0	Common ground (plug, shield))

O connected

unconnected (open)

* At 20 Hz—20kHz

4 pin connector (🔁)

Pin No	Signal	Signal level	
1	Ground		
2	Ground		
3	Y (S signal) input	1V±3dB 75ohm, positive Sync 0.3V ⁻³ ₊₁₀ dB	
4	C (S signal) input	0.3V±3dB 75ohm, positive	

o **a** o o o o o o

TABLE OF CONTENTS

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(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAPTOTHE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURTCIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DEL'ANODE DU CAPAU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS ÁLA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE À SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 GENERAL

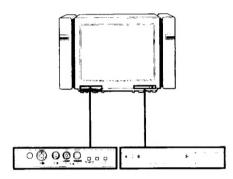
This section is extracted from instruction manual.

1-1. OVERVIEW

This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.

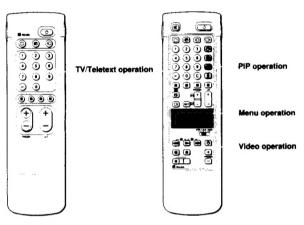
TV set - front





Symbol	Name	Refer to page
0	Main power switch	42
ტ	Standby indicator	42
A-CO-B	Stereo A/B indicators	44
Ω	Headphones jack	50
- ⑥ 3, - ⑦ 3, - ⊙ 3,	Input jacks (S-video/video/audio)	50
P-4D	Function selector (Programme/volume/input)	43
→+	Adjustment buttons for function selector	43

Remote Commander



Note The SAT button does not operate with this TV.

Simple side

Full-Function side

Symbol	Name	Refer to Page
*	Mute on/off button	43
5	Standby button	42
0	TV power on/TV mode selector button	42
Ē	Teletext button	43
Ð	Input mode selector	43
G•	Output mode selector	51
1,2,3,4,5,6, 7,8,9, and 0	Number buttons	42
-/	Double-digit entering button	42
С	Direct channel entering button	41
-	Volume control button	42
PROGR +/-	- Programme selectors	42
9 0	Teletext page access buttons	47
•	Picture adjustment button	44
1	Sound adjustment button	44
€	On-screen display button	43
⊕	Teletext hold button	47
Ð	Time display button	43

Fastext buttons

e-in-picture) operation
e-m-picture/of

Name	Refer to Pag
PIP on / off button	46
PIP source selector	46
Swap button	46
PIP position changing button	46
	PIP on / off button PIP source selector Swap button

Menu operation

Symbol	Name	Refer to Page
MENU	Menu on / off button	36
+/ -	Select buttons	36
OK	OK (confirming) button	36
-	Back button	36

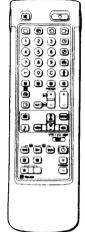
Video operation

47

Symbol	Name	Refer to Page
/TR1/2/3 /IDP	Video equipment selector	52
H ● → H H ● © PROGR +/-	Video equipment operation buttons	52

1-2. TUNING IN TO TV STATIONS





To go back to main

menu Keep pressing -

To go back to the normal TV picture Press MENU.

Note on the Demo function
If you choose Demo
on the main menu,

you can see a sequential demonstration of the menu functions. Once you have set up the TV, you can choose the language of the menu. Then you should preset the channels (up to 100 channels) by choosing either the automatic or manual method.

The automatic method is easier if you want to preset all receivable channels at once. Use the manual method if you only have a few channels and want to preset channels one by one. The manual method is also convenient for allocating programme numbers to various video input sources.





Before you begin

- Check that the Full-Function side of the Remote Commander is
- Locate Menu operation buttons on the Remote Commander. They are shaded in the illustration at the left.



Display the Menu

The TV will switch on. If the standby indicator on the TV is lit. press O or a number button on the Remote Commander.

2 Press the MENU button. The main menu appears





normal TV picture Press MENU.



Fig. 1.

Choose a language

1 Select Language with the Δ+ or ∇- button and press the OK

The LANGUAGE menu appears. (See Fig. 2)

2 Select the language you want with $\Delta +$ or $\nabla -$, press OK, and then press -.

Now, choose one of the following methods "Preset Channels Automatically"

"Preset Channels Manualty".





Flg. 2.

With this method, you can preset all receivable channels at once

Preset channels automatically 1 Select Preset with + or - and press OK. The PRESET menu appears. (See Fig. 3.)

2 Select Auto Programme with + or - and press OK. The AUTO PROGRAMME menu appears. (See Fig. 4.)

To stop automatic channel presetting Press - on the Remote

Commander.

Select if necessary the TV broadcast system with + or - and Notes
• After presetting the press OK. (B/G for western European countries, D/K for eastern channels automatically. European countries) The first element of the "PROG" number will you can check which be highlighted. channels are stored on which programme positions. For details, Select the programme (number button) from which you want to

start presetting. Select the first element of the double-digit see "Using the Programme Table" on number with + or - or the number buttons (e.g. For "04", page 45. select "0" here) and press OK. The second element of "PROG" will be highlighted. · You can exchange the 5 Select the second element of the double-digit number with + or Fig. 5. - or the number buttons (e.g. For "04", select "4" here)

3 Press OK.

programme positions to have them appear on screen in the order you like. For details, see "Exchanging the Programme Positions" on

Use this method if there are only a few channels in your area to preset or if you want to preset You may also allocate programme numbers to various video input

If you have made a mistake Press to go back to the previous position.
To go back to main Keep pressing -To go back to the



Fig. 3.



Fig. 4.



All available channels are now stored on successive number

When presetting is finished the preset menu reappears.

Preset channels manually 1 Select Preset with + or - and press OK. The PRESET menu appears. (See Fig. 6.)

6 Select "C" or "S" with + or - and press OK.

The automatic channel presetting starts.

(See Fig. 5.) and press OK

2 Select Manual Programme preset with + or - and press

The MANUAL PROGRAMME PRESET menu appears. (See Fig. 7.) Fig. 6.

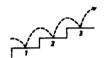


PROG	5.5	CH SEARCH LABEL	44.
• :	8 G	C21 laff:	or
2	8:5	[34 10 # #	or
3	B/G	C33 / off :	100
4	B/G	C45 inff	r pe
5	8.5	E35 - pff:	100
6	8/G	C44 (off)	1.05
,	B/G	C54 /off	i gn
8	8/G	CND off.	on.
8	8/G	C38 '0''	: 00
:0	9/6	C59 0ff	or

Fig. 7.

6

1-3. ADDITIONAL PRESETTING FUNCTIONS



(**a**)

0000

0000

0 0 0 0

စွဲစွဲစွဲ<u>စွဲ</u>

(D) (O) (D)

ð'6'6 6

3 3

9 9 0

This section shows you additional presetting functions such as exchanging or skipping programme positions, captioning a station name, manual fine-tuning, and using the parental lock.

Before you begin

- Check that the Full Function side of the Remote Commander is visible
- Locate the Menu operation buttons.

Exchanging Programme Positions

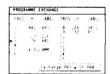
With this function, you can exchange the programme positions to a preferable order.

- 1 Press MENU to display the main menu.
- 2 Select Preset with + or and press OK. The PRESET menu appears.
- 3 Select Programme Exchange with + or . and press OK. The PROGRAMME EXCHANGE menu appears. (See Fig. 14.)
- 4 Using "+ or . -, select the programme position you want to exchange with another and press OK. The colour of the selected position changes. (See Fig. 15.)
- 5 Using + or . -. select the programme position to be exchanged and press OK. Now the two programme positions have been exchanged. (See Fig. 16.)
- Repeat steps 4 and 5 to exchange other programme positions.



Fig. 14.

	1	0:2	44	2.2
--	---	-----	----	-----



Tuning in a Channel Temporarily

You can tune in a channel temporarily, even when it has not been preset. Use the buttons on the Full-Function side of the Remote Commander

- Press C on the Remote Commander. The indication "C" appears on the screen.
- 2 Enter the double-digit channel number using the number buttons (e.g. for channel 4, first press 0, then 4). The channel appears. However, the channel will not be stored.



3 Using + or -, select the programme position (number button) to which you want to preset a channel, and press OK.

4 Select if necessary the TV broadcast system (B/G for western European countries, D/K for eastern European countries) or a video input source (EXT) with + or -Then press OK. The CH position will be highlighted. (See Fig. 8.)

5 Using ...+ or ...-, select C (to preset a regular channel), or F (to tune in by frequency) and press OK. The first element of the "CH" number will be highlighted. If you have selected EXT in step 4, select the video input source with + or .-. (See Fig. 9.)

There are two ways to preset channels. If you know the channel number, go to step "6-Manual",

if you don't know the channel number, go to step "6- Search".

To tune in a channel

by frequency After selecting F in step 5, enter three digits using the

If you have made a

Press - to go back to

the previous position.

To go back to main

Keep pressing ←.
To go back to the normal TV picture
Press MENU.

number buttons.

- -a Select the first element of the "CH" number with "+/" or the number buttons and press OK The second element of the "CH" number will be highlighted.
- -b Select the second element of the number with +/ or the number buttons. The selected number appears. (See Fig. 10.)

-c Press OK

The "SEARCH" position is highlighted and the selected channel is now stored. (See Fig. 11.)

- -d Press OK until the cursor appears by the next programme position.
- Repeat steps 3 to 6 to preset other channels.

- · Press OK repeatedly until the colour of the SEARCH position changes
- -b Start searching for the channel with :+ (up) or (down). The CH position changes colour. (See Fig. 12.) The CH number starts counting up or downwards. When a channel is found, it stops. (See Fig. 13.)
- -c Press OK if you want to store this channel. If not, press + or . to continue channel searching.
- -d Press OK until the cursor appears by the next programme position.
- Repeat steps 3 to 6 to preset other channels



2 815 135 raft

Flg.11.

Flg.13.

2 8/G C -0** - or-

Fla.8.

Fig.9.

3 54" AV

The display scrolls automatically.

If you have made a mistake Press ← to go back

to the previous position. To go back to main Keep pressing -To go back to the normal TV picture Press MENU.

PRESET

If you have made a

Press - to go back to

the previous position.

To go back to main

Keep pressing -

To go back to the

normal TV picture

Press MENU.

œ

Skipping Programme Positions

You can skip unused programme positions when selecting programmes with the PROGR +/- buttons. However, the skipped programmes may still be called up when you use the number buttons.

- Press MENU to display the main menu.
- Select Preset with + or and press OK. The PRESET menu appears.
- 3 Select Manual Programme Preset with + or and press OK.

The MANUAL PROGRAMME PRESET menu appears. (See Fig.18.)

- 4 Using + or -, select the programme position which you want to skip and press OK. The "SYSTEM" position changes colour.
- 5 Press + or -until --- appears in the SYSTEM position. (See Fig. 18.)
- When you select programmes using the PROGR +/- buttons, the programme position will be skipped.





Flg. 17.

Flg. 18. 3 8.0

Fig. 19.

6 Press OK. (See Fig. 19)

7 Repeat steps 4 to 6 to skip other programme positions.

MANUAL PROGRAMME

Captioning a Station Name

You can "name" a channel or an input video source using up to five characters (letters or numbers) to be displayed on the TV screen (e.g. ZDF). Using this function, you can easily identify which channel or video source you are watching.

- 1 Press MENU to display the main menu.
- 2 Select Preset with + or and press OK. The PRESET menu appears.
- 3 Select Manual Programme Preset with + or and press OK.

The MANUAL PROGRAMME PRESET menu appears. (See Fig. 20.)

- 4 Using + or -, select the programme position you want to caption and press OK repeatedly until the first element of the LABEL position is highlighted.
- 5 Select a letter or number with + or and press OK. The next element will be highlighted. Select other characters in the same way. If you want to leave an
- element blank, select and press OK. (See Fig. 21.) After selecting all the characters, press OK repeatedly until the cursor appears by the next programme position (at the left margin) Now the caption you chose is stored. (See Fig. 22.)
- 7 Repeat steps 5 and 6 to caption names for other channels.



Flg. 20.

2 8 G 625 1044-5 - on: Fig. 21.

► 2 8-6 C25:affis04r ian. Fig. 22.

MAKIAL PROGRA

Manual Fine-Tuning

Normally, the AFT(automatic fine-tuning) is already operating. However, if the picture is distorted, you can use the manual fine tuning function to obtain better picture reception.

- 1 Press MENU to display the main menu.
- Select Preset with + or and press OK The PRESET menu annears
- 3 Select Manual Programme Preset with + or and The MANUAL PROGRAMME PRESE! menu appears. (See Fig. 23.)
- 4 Using + or -, select the programme position corresponding to the channel which you want to manually fine-tune, and press OK repeatedly until the AFT position changes colour.
- 5 Fine-tune the channel with + or so that you get the best TV reception. As you press the cursor buttons, the frequency changes from -15 to +15. (See Fig. 24.)
- 6 After fine tuning, press OK. The cursor appears beside the next programme position (at the left margin). (See Fig. 25.) Now the fine-tuned level is stored.
- 7 Repeat steps 4 to 6 to fine-tune other channels.



Flg. 23.

Fig. 24.

Fig. 25.

PARENTAL LOCK

If you try to select a

programme that has

The message "Locked"

appears on the blank TV

To reactivate AFT

beginning and select

"ON" in step 5.

(automatic fine tuning) Repeat from the

Parental Lock

You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

- 1 Press MENU to display the main menu.
- 2 Select Preset with + or and press OK. The PRESET menu appears.
- Select Parental Lock with + or and press OK The PARENTAL LOCK menu appears. (See Fig. 26.)
- Using + or -, select the programme position you want to block and press OK. The selected PROG number, CH and LABEL change colour indicating that this programme is now blocked. (See Fig. 27.)
- 5 Repeat step 4 to block other programme positions.



Fig. 26.

Cancelling blocking

- On the PARENTAL LOCK menu, select the programme position you want to unblock with . + or . -.
- The selected PROG number, CH and LABEL change colour to normal colour indicating that the blocking has been cancelled.



Fig. 27.

If no picture appear when you depress ®

and if the standby indicator on the TV is lit, the TV is in standby mode. Press O or one of the number buttons to switch it on.

This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

Switching the TV on and off

Switching on

Depress Oon the TV.

Switching off temporarily

Press O on the Remote Commander.

The TV enters standby mode and the standby indicator on the front of the TV lights up.

To switch on again

Press O, PROGR +/-, or one of the number buttons on the Remote Commander.

Switching off completely

Depress @ on the TV.

Selecting TV Programmes

Press PROGR +/- or press number buttons.

To select a double-digit number

Press -/--, then the numbers. For example, if you want to choose 23, press -/--, 2, and 3.

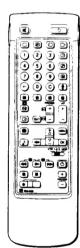
Adjusting the Volume

Press =/-



For details of the teletext operation, refer to **Dage 47**





Operating the TV Using the **Buttons on the TV**

With the buttons on the TV, you can select programmes, adjust the volume, and select video input sources.

- Press P-2-Q button repeatedly until the programme number. △ (for volume), or → (for video input picture) appears. Then adjust with the -/+ buttons.
- Press -/+ buttons to switch on the TV from the standby mode.
- Press -/+ simultaneously to reset picture and sound controls to the factory preset level (RESET function.)

Watching Teletext or Video Input

Watching teletext

- Press (2) to view the teletext. Press three number buttons to select a page.
- Press one of the coloured buttons for fastext operation.

 Press (PAGE +) or (PAGE -) for the next or preceeding
- page.
 To go back to the normal TV picture, press

Watching a video input picture

Press - repeatedly until the desired video input appears. To go back to the normal TV picture, press .

More Convenient Functions

Use the Full-Function side of the Remote Commander

Displaying the on screen indications

- Press @ once to display all the indications. They will disappear after some seconds.
- Press This twice to have the programme number and label stay on screen. Press twice again to make indications disappear.

Muting the sound.

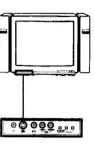
Press .

To resume normal sound, press & again.

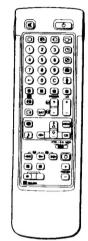
Displaying the time

Press . This function is available only when teletext is

To make the time display disappear, press @ again



ဖ



Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste. In addition, you can change the aspect ratio of the TV display for wide screen effect, or set the resolution to obtain a higher quality picture. You can also select dual sound (bilingual) programmes when available or adjust the sound for listening with the headphones.

Press (for picture) or 1 (for sound) on the Remote Commander

Press MENU and select Picture Control or Sound Control, then press OK. The PICTURE CONTROL or SOUND CONTROL Menu appears. (See Fig. 28 or Fig. 29)

- Using '+ or -, select the item you want to adjust and press OK. The selected item changes colour. (See Fig. 30)
- 3 Adjust the setting with + or . and press OK. The cursor appears beside the next item (at the left margin). For the effect of each control, see the table below.
- 4 Repeat steps 2 and 3 to adjust other items.



Fig. 28.





Flg. 31.

To select a programme using this menu Select the programme number with + or and press OK The selected programme

PROGRAMME TABLE

To go back to the normal TV picture Press MENU.

Using the Programme Table

On this table, you can see which channel is preset to which programme position. You can also select programmes using this table.

From the main menu, select Programme Table with + or - and press OK. The PROGRAMME TABLE menu appears. (See Fig. 32)

To scroll to higher programme numbers, press



Fig. 32.

To switch off the timer Select "OFF" in step 3

TIMER

To check the remaining time Press ⊙.

Using the Sleep Timer

You can select a time period after which the TV automatically switches into standby mode.

1 From the main menu, select Timer with + or - and press

The Timer menu appears. (See Fig. 33.) 2 Press OK.

The time period option changes colour.

3 Select the time period with + or -. The time period (in minutes) changes as follows: 10 →20 →30 →40 →50 →60 →70 →80 →90 _____ OFF _____

VF 4 1 DQ 401 Fig. 33.

Effect of each control

PICTURE CONTROL	Effect		
Contrast	Less —+—	More	
Brightness	Darker	- Brighter	
Colour		Less — — More	
Hue	Greenish — Reddish		
Sharpness	Softer — I — Sharper		
Reset	Resets picture to the factory preset levels.		
Format	4 : 3 : Normal 16 : 9 : Wide screen effect		
Resolution	Normal	High : Obtain a higher quality picture	

SOUND CONTROL	Effect		
Volume	Less More		
Trable	Less More		
Bass	Less — More		
Balance	More left — More right		
Reset	Resets sound to the factory preset levels.		
Loudness	off : Normal on : When listening to low volume sound		
Space	off : Normal on : Obtain acoustic sound effect.		
Dual Sound	A : left channel B : right channel stereo mono		
Headphones:	The selected mode of the A-CD-B indicator on the TV lights up		
Volume	Less — More		
Dual Sound	A : left channel B : right channel stereo mono		

4 After selecting the time period, press OK. The cursor moves back to the left margin and the timer starts counting. One minute before the TV switches into standby mode, a message is displayed on the screen.

If you have made a

0

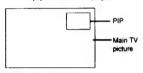
Press + to go back to the previous position. To go back to the main Keep pressing ... To go back to the normal TV picture Press MENU.

HUE is only available for NTSC colour system and RESOLUTION does not work for SECAM colour

Note on LINE OUT The audio level and the dual sound mode output from the O+ jack on the rear correspond to the VOLUME and DUAL SOUND settings.

When wetching video Input picture
You can select DUAL SOUND to change the

With this function you can display a "PIP screen" (small picture) within the main TV picture. In this way you can watch or monitor the video output from any connected equipment (for example from a VTR) while watching TV or vice versa. For information about connection of other equipment, refer to page 50.



Switching PIP on and off

Press (*)

The PIP screen will be displayed. The PIP picture will come from the source chosen when the TV was last used.

To switch PIP off

Press @ again.

Selecting a PIP source

Press 1.

The symbol t will be displayed at the bottom, left-hand corner of the screen.

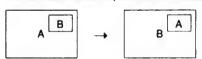
Press - repeatedly until the desired PIP source is indicated (e.g. TV, AV1, AV2, YC2, AV3, YC3, AV4, YC4).

If no video source has been connected, the PIP picture will be noisy

Swapping screens

Press .

The main screen will switch the picture with the PIP screen.



If a TV programme is on the PIP screen and a video source on the main picture, and you want to change channels, first press t and then the programme buttons or PROGR +/-.

Changing the position of the PIP

Press (a) repeatedly to change the position of the PIP screen within the main screen. There are four different positions available.



1-7. TELETEXT



Teletext errors may occur if the broadcasting signals are weak

With the simple side of the Remote Commender

You can switch teletext on and off, operate Fastext, and directly select page numbers.

TV stations broadcast an information service called Teletext via the TV channels. Teletext service allows you to receive various information pages such as weather reports or news at any time you want. For advanced teletext operation, use the buttons on the Full-Function side of the Remote Commander

Direct Access Functions

Switching Teletext on and off

- 1 Select the TV channel which carries the teletext broadcast you want to watch.
- 2 Press @ to switch on teletext.

A teletext page will be displayed (usually the index page). If there is no teletext broadcast, P100 is displayed on the information line at the top of the screen.

To switch teletext off

Press O.

Selecting a teletext page With direct page selection

Use the number buttons to input the three digits of the chosen page number.

If you have made a mistake, type in any three digits. Then reenter the correct page number.

With page-catching

- Select a teletext page with a page overview (e.g. index page).
- 2 Press twice. "Page catching " will be displayed on the information line. The last digit of the first displayed page number flashes.
- 3 Using + or -, select the desired page and press OK. The requested page will appear in a few seconds.

Accessing next or preceding page

Press @ (PAGE +) or @ (PAGE -). The next or preceding page appears.

Superimposing the teletext display on the TV programme

- Press @ once in teletext mode or twice in TV mode.
- · Press @ again to resume normal teletext reception.

Preventing a teletext page from being updated

- . Press € (HOLD). The HOLD symbol "G" displayed on the information line.
- Press @ to resume normal teletext reception

Using Fastext

With Fastext you can access pages with one key stroke. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote

Press the corresponding coloured button on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed after some seconds.

Fastext operation is only possible, if the TV station broadcasts Fastext signals.



Note

Some of the features may not be available depending on the Teletext service.

To cancel the request Press OK to select "OFF" for the TIME PAGE setting.

Using the Teletext Menu

This TV is provided with a menu-guided teletext system. When teletext is switched on, you can use the menu buttons to operate the teletext menu. Select the teletext menu functions in the following way:

- 1 Press MENU. The menu will be superimposed on the teletext display. (See Fig. 34)
- 2 Using + or -, select the teletext function you want and press OK. (See Fig. 35)

USER PAGES/PRESET USER PAGES

See page 49 for information about presetting and operating the user pages.

INDEX

The index will give you an overview of the contents of the teletext and the page numbers.

TOP/BOTTOM/FULL

For convenient reading of a teletext page, you can enlarge the teletext display. After having selected the function, an information line Top/Bottom/Full will be displayed. (See Fig. 36)

Press + for Top to enlarge the uper half, - for Bottom to enlarge the lower one and OK for Full to resume the normal size.

Press (2) to resume normal teletext reception.

TEXT CLEAR

After having selected the function, you can watch a TV programme white waiting for a teletext page to be displayed. (See Fig. 37)

Press (a) to resume normal teletext reception

SUBTITLES

Your teletext service will inform you if a TV programme is subtitled. After having selected the function the subtitles will be displayed.

REVEAL

Sometimes pages contain concealed information, such as answers to a quiz. The reveal option lets you disclose the information. After having selected the function, an information line "REVEAL ON/OFF" will be displayed. (See Fig. 38)

Using + or -, select ON to reveal the information or OFF to conceal it again.

Press (2) to resume normal teletext reception.

TIME PAGE

Your teletext service will inform you, if a time coded page is available. You may have a page (e.g. an alarm page) displayed at a certain time.

1 Press OK to select ON for the Time Page setting. The TV programme you were watching before you selected. Time Page is restored. An information window will be displayed at

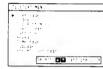


Fig. 34.



Fig. 35.



Fig. 36.



Fig. 37.



Flg. 38.

To cancel the request
Select "OFF" for the

If two broadcasting stations use the same Teletext

SUBPAGE setting and

press OK.

You can preset one bank to 2 different programme positions. 3 To select the desired time, enter four digits for the desired time (e.g. 1800) using the number buttons and press OK. The selected time is displayed at the top in the left-handed corner. At the requested time, the page will be displayed.

Press @ to resume normal teletext mode

SUBPAGE

You may want to select a particular teletext page from several subpages which are rotated automatically. If you want to select one subpage, follow the operations below:

- 1 Using + or -, select ON for the SUBPAGE setting and press OK.
- 2 To select the desired subpage, enter four digits using PROG +/or the number buttons. (e.g. enter 0002 for the second page of a sequence).

User Page Bank System

You can store up to 30 pages in the "Teletext page bank system". In this way you have quick access to the pages you watch frequently.

Storing pages

There are 5 "banks" (A to E) for 5 teletext stations. In each bank you can store 6 preferred pages (P1 to P6).

- Press (if Teletext is not on already) and MENU to show the TELETEXT MENU display.
- 2 Select Preset User Pages with + or and press OK.
- 3 Select the desired bank with + or and press OK. The cursor will go to the first position (P1) of the preferred pages.
- Input the three digits of your first preferred page with the number buttons and press OK.
 The cursor will go to the second position.
- 5 Repeat step 4 for the other 5 page numbers you want to preset. If you do not want to preset all 6 page numbers available, press OK without inserting any number. After having finished the presetting press OK repeatedly until the cursor appears besides the next bank at the left margin.
- 6 Select Allocate Bank with + or and press OK.
- 7 Select the programme position for which you want to preset pages with + or and press OK. (See Fig. 39)
- 8 Select the desired bank with + or (Banks A to E are available) and press OK.
- 9 Repeat steps 3 to 8 for the other 4 banks available.

Displaying User Pages

- 1 Select MENU.
- Select User Pages with + or and press OK.
 A table of the stored preferred pages will be displayed.
 (See Fig. 40)
- 3 Select the desired page with + or and press OK. The page will be displayed after some seconds.



Fig. 39.



Fig. 40.

44

Connecting Optional Equipment

You can connect optional audio-video equipment to this TV such as VTRs, video disc players, and stereo systems.

To connect a VTR using the 11 terminal Connect he aerial output of the VTR to the aerial terminal 1 of the TV. We recommend that you tune in the video signal to programme number "0". For details see "Preset channels manually" on page 3".

If the picture or the sound is distorted Move the VTR away from the TV.

S-video Input (Y/C Input) Video signals may be separated into Y (furnitance or brightness) and C (chrominance) signals. Separating the Y and C signals prevents them from interfering with one another, and therefore improves picture quality (especially luminance). This TV is equipped with 3 S-Video input jacks through which these separated signals can be input directly.

When connecting a monaural VTR
Connect only the white

→ jack to both the TV and VTR.

Acceptable Input signal

1 Normal audio/video and RGB signal
2 Normal audio/video and S video signal
3 Normal audio/video and S video signal
4 Normal audio/video and S video signal
5 No inputs

Available output signal
Video/audio from TV tuner
Video/audio from selected source
No outputs
Video/audio displayed on TV screen (monitor out)
S video/audio signal displayed on T,V screen (monitor out)
Audio signal (variable)

Selecting input and output This section explains how to view the video input pi

This section explains how to view the video input picture (of the video source connected to your TV), and how to select the output signal using direct access buttons or the menu system.

Selecting input

Press - repeatedly to select the input source.

The symbol of the selected input source will appear.

To go back to the normal TV picture

Press O.

Selecting input with PROGR +/- or number buttons You can preset video

input sources to the programme positions so that you can select them with PROGR +/-

or number buttons.
For details, see "Preset channels manually" on

000

0009

999 999

300 D

5°5°50

I I

page 37.



Input modes

Symbol	Input signal	
⊕ 1	Audio/video input through the -	
⊕	RGB input through the -6 1 connector	
⊕ 2	Audio/video input through the ⊕-2/-602 connector	
- ⑥ 2	S video input through the ⊕-2/®2 or®2 connector	
⊕ 3	Audio/video input through -⊕3 and -⊕3 on the front	
- € 3	S video input through the -63 connectors on the front (4-pin connector)	
4	Audio/video input through the ⊕4/-60 4 connector	
- € 4	S video input through the +4/-64 or -64 connector (4-pin connector	

You can also select the input mode using the $P^{-\Delta} \rightarrow \Omega$ and -/+ buttons on the TV. In this case, first select $-\Omega$, and then press -/+ buttons to select the input.

Selecting the output

The -2/-82 connector outputs the source input from the other connectors.

Press \bigcirc repeatedly to select the output. The symbol of the selected output source appears.



Output modes

Symbol @42	2 de la connector outputs	_
1 🕒	The audio/video signal from the - 1 connector	
2 🕞	The audio/video signal from the ⊕-2/®2 connector	
2 🖫	The audio/S video signal from the ⊕2/-® connector	
3 →	The audio/video signal from the ⊕3, ⊕3 connectors	
3 ∰→	The audio/S video signal from the €3, - €3 connectors	
4 🕒	The audio/video signal from the ⊕4/-€4 connector	
4 5	The audio/S video signal from the ⊕4/ 46 4 connector	
TV⊕	The audio/video signal from the ∏ aerial terminal	

Checking and selecting the input and output sources using the menu

You can display the menu to see which input sources are selected for the TV screen and PIP screen, and which output source is selected. You can also select them on the menu display.

- 1 Select Video Connection with + or and press OK. The VIDEO CONNECTION menu appears. (See Fig. 41) You can see which source is selected for the TV and PIP input, and for the output. If you want to select the input and output on this menu, go on to the next step.
- Select TV Screen (input source for the TV screen), PIP(input source for the PIP screen), or output (output source) with + or and press OK. One of the source items changes colour. (See Fig. 42)
- 3 Select the desired source with ... + or ... (See Fig. 43) For details about each source, see the table on page 23.
- 4 Press OK. The selected source is confirmed, and the cursor appears. (See Fig. 44)
- 5 Repeat steps 2 to 4 to select the source for other inputs or outputs.

Remote Control of Other Sony Equipment

You can use the TV Remote Commander to control most of Sony remote-controlled video equipment such as: Beta, 8mm or VHS VTRs or video disc players.

Tuning the Remote Commander to the equipment

 Set the VTR 1/2/3 MDP selector according to the equipment you want to control:

VTR 1: Beta or ED Beta VTR

VTR 2: 8mm VTR

VTR 3: VHS VTR

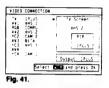
MDP: Video disc player

2 Use the buttons indicated in the illustration to operate the additional equipment.

If your video equipment is furnished with a COMMAND MODE selector: set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander.

If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate

When recording
When you use the
(record) button, make
sure to press this button
and the one to the right
of it simultaneously.



rig. 41.		
F# IPLIS AVI VHS I	'v Screer	
Fig. 42.		
443 86.4	oje:	

AIDEO	COMMECTION		
AV: AGB AV2	10,35 945 1 1300 445 2	•	TW Screen
*C2 *V3 *13	BETA VHS 1		P.25
*:4	AM :	3.	tout IPLUS

Fig. 44.

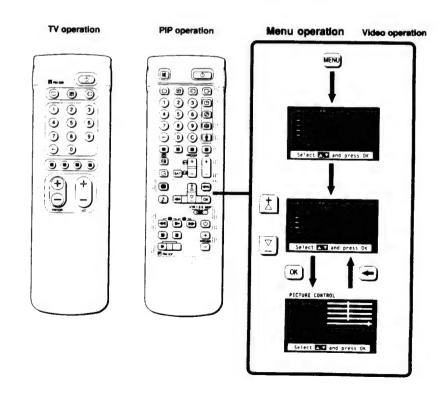
1-9. FOR YOUR INFORMATION

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

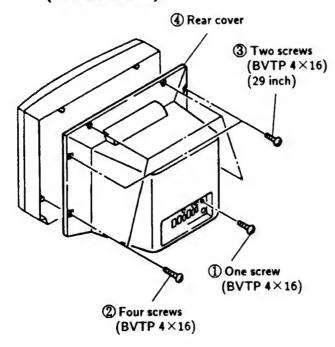
Problem	Solution
No picture (screen is dark), no sound	Plug the TV in.
	 Press ⊕ on the TV. (If ⊕ indicator is on, press □ or a programme number on the Remote Commander.)
	Check the aerial connection.
	Check if the selected video source is on.
	 Turn the TV off for 3 or 4 seconds and then turn it on again using ①.
Poor or no picture (screen is dark), but good sound	
Good picture but no sound	• Press ∠ +.
	Check loudspeakers connection.
	 If
No colour for colour programmes	 Press ■ to enter the PICTURE CONTROL menu, select RESET, then pres OK.
Remote Commander does not function.	Replace batteries.

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

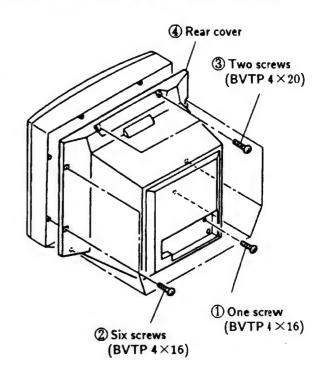


SECTION 2 DISASSEMBLY

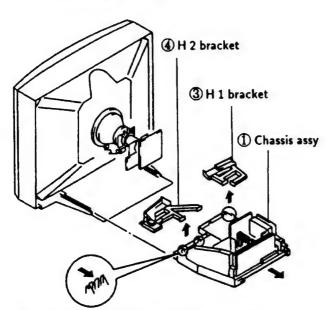
2-1-1. REAR COVER REMOVAL (25 inch, 29 inch)



2-1-2. REAR COVER REMOVAL (34 inch)

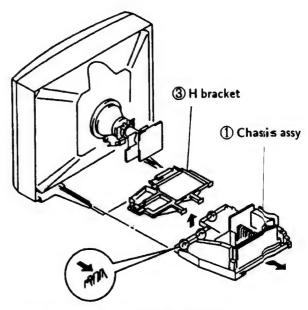


2-2-1. CHASSIS ASSY REMOVAL (25 inch, 29 inch)



② Push the four claws of the main chassis in the direction of the arrow and remove the H 1 and H 2 bracket upwards.

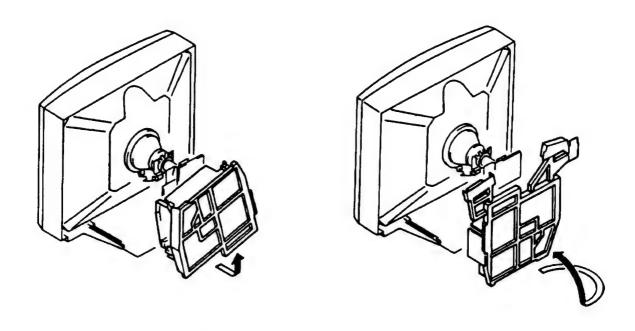
2-2-2. CHASSIS ASSY REMOVAL (34 inch)



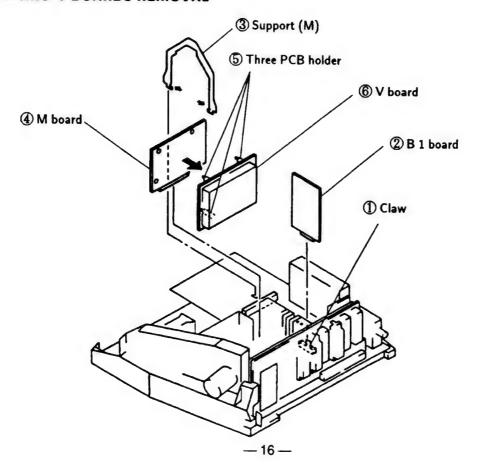
2 Push the three claws of the main chassis in the direction of the arrow and remove the H bracket upwards.

2-3. SERVICE POSITION

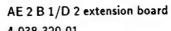
※ Remove the H bracket from the main chassis assy and then perform the following servicing. (Refer to 2-2. CHASSIS ASSY REMOVAL)

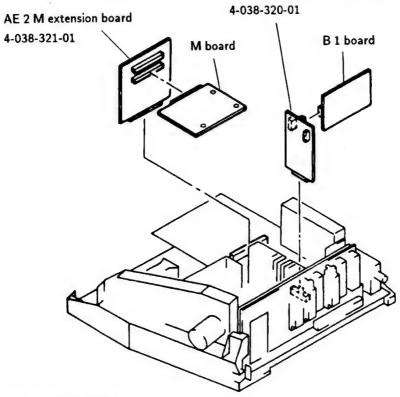


2-4. B 1, M AND V BOARDS REMOVAL

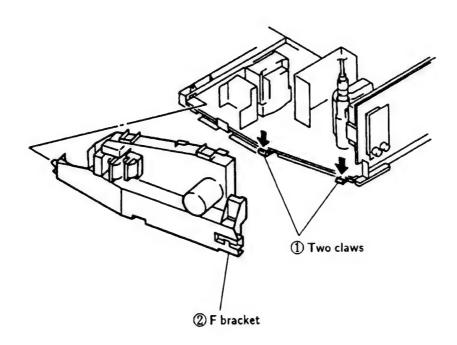


2-5. EXTENSION BOARD

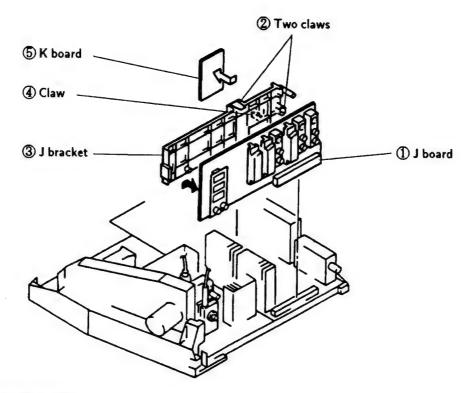




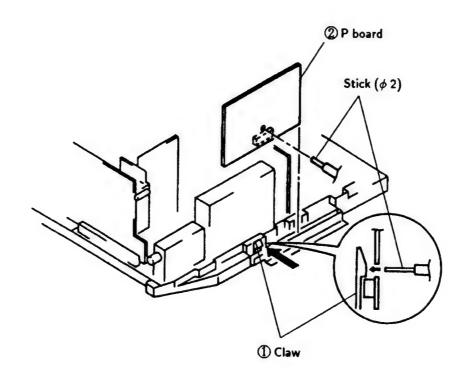
2-6. F BRACKET REMOVAL



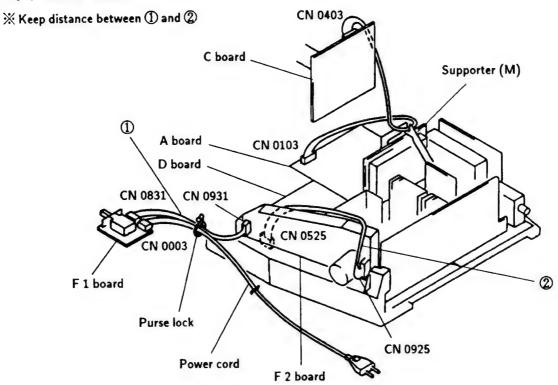
2-7. J AND K BOARDS REMOVAL



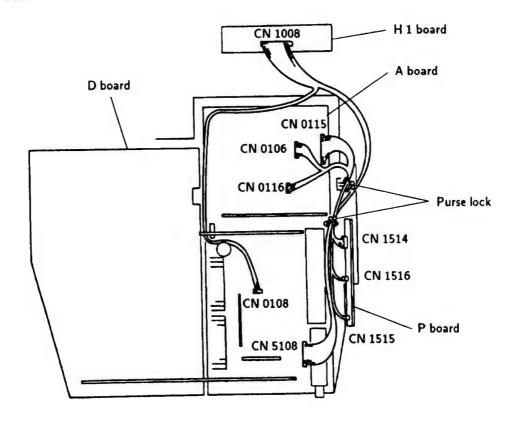
2-8. P BOARD REMOVAL

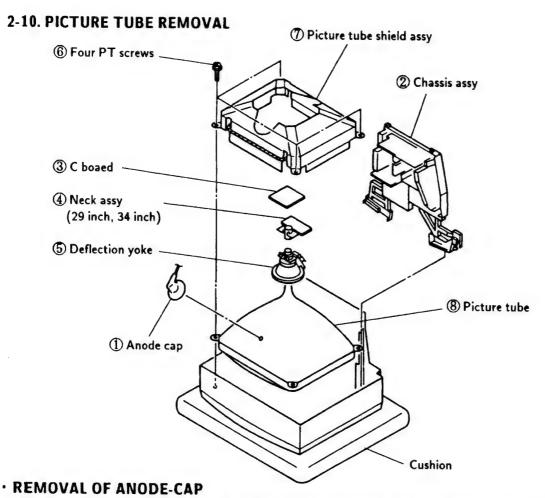


2-9-1. WIRE ROD



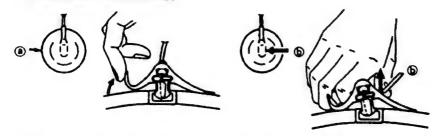
2-9-2. WIRE ROD



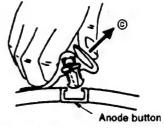


NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT chield or carbon painted on the CRT, after removing the anode.

REMOVING PROCEDURES



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑤.



③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ⑥.

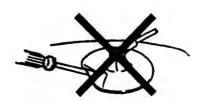
HOW TO HANDLE AN ANODE-CAP

- Don't hurt the surface of anode-caps with sharp shaped material!
- Don't press the rubber hardly not to hurt inside of anode-caps!
 A material fitting called as shatter-hook
- terminal is built in the rubber.

 Don't turn the foot of rubber over hardly!

 The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there is specific instruction to the contrary, carry out these adjustments with the rated power
- Unless there is specific instruction to the contrary, set the controls and switches this way:
 - Contrast 80% (or remote control normal)

☆ Brightness 50%

- Carry out the following adjustments in this order:
- 1. Beam landing
- 2. Convergence
- 3. Focus
- 4. White balance

Note: Testing equipment required.

- 1. Color bar/pattern generator
- 2. Degausser
- 3. DC power supply
- 4. Digital multimeter
- 5. Oscilloscope

Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

- 1. Input the white signal with the pattern generator. Contrast normal Brightness J
- 2. Position neck assy as shown in Fig.3-2.
- 3. Set the pattern generator raster signal to red.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side. (See Fig.3-1 - 3-3)
- 5. Move the deflection yoke forward and adjust so that entire screen is red. (See Fig.3-1)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- 7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it. (See Fig.3-4)

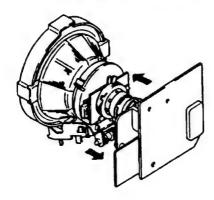
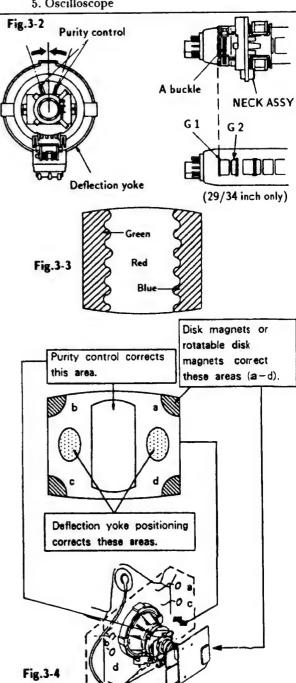


Fig. 3-1

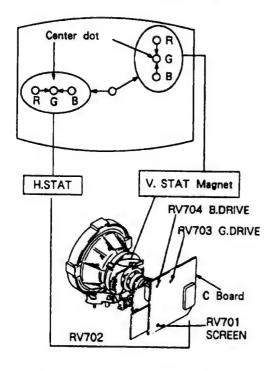


3-2. CONVERGENCE

Preparations:

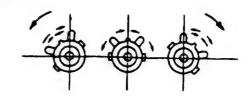
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and vertical static convergence

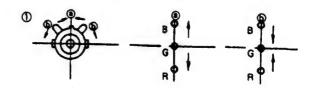


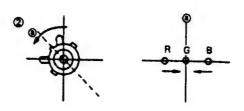
- (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.
 (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

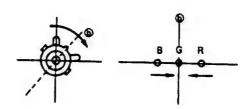
 Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

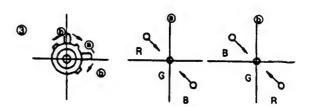


4. If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the red, green, and blue points move as shown below.

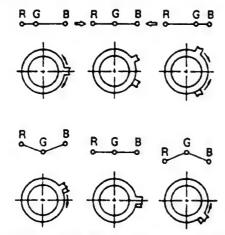








• Operation of BMC (Hexapole) Magnet



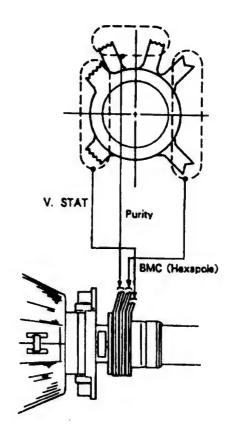
 The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.
 Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen

(by moving the dots in the horizontal direction).

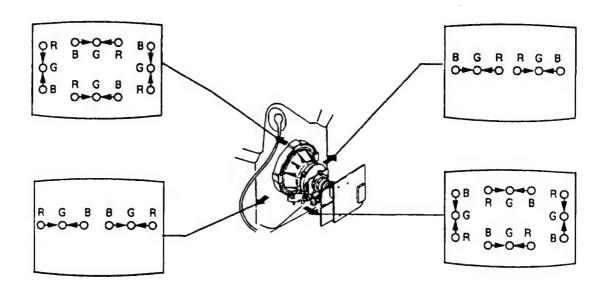


Preparations:

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
- 1. Slightly loosen the deflection yoke screws.



- 2. Remove the deflection yoke spacer.
- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the deflection yoke spacer.

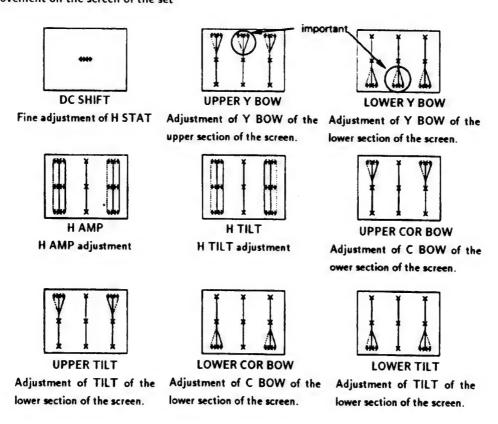


(3) Dynamic convergence adjustment (34 inch only)

- 1. Adjust horizontal convergence located at the center position of the screen with H STAT VR.
- Enter into service mode. (Refer to the section 2
 "Electrical Adjustment" on how to enter service
 mode.)
- 3. Select CXA 1526 on menu.
- 4. Select each item and adjust them so that each item attains optimal convergence.
- 5. Press OK button to write the data.

CXA	A 1526	
1	DC SHIFT	(32)
2	UPPER Y BOW	(4)
3	LOWER Y BOW	(5)
4	H AMP	(48)
5	H TILT	(29)
6	UPPER COR BOW	(32)
7	UPPER TILT	
8	LOWER COR BOW	(32)
9	LOWER TILT	(32)

R.G.B.dots movement on the screen of the set

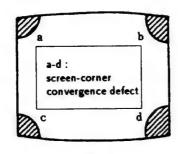


At this time, H.TILT, H.AMP, UPPER TILT, UPPER COR, BOW, LOWER TILT, and LOWER COR, BOW look like all the same, but the movement of the

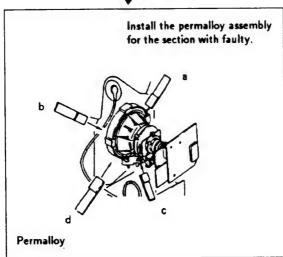
right and left dots are reverse in all the TILT system. (Pay attention to the dotted lines.)

(4) Screen corner convergence

If you cannot adjust corner convergence properly, correct them with permalloy.

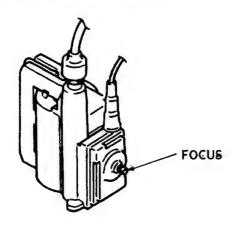






3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

Screen G2 Setting

- 1. Input the dot signal from the pattern generator.
- 2. Set the picture brightness control to its lowest level.
- 3. Apply 180V DC to the R,G, and B cathodes with an external power supply.
- While watching the picture, adjust G 2 control RV 701 (Screen) to the point just before the return lines disappear.

White balance adjustment

- 1. Receive all-white signal.
- Enter into service mode. (Refer to the section 4
 "Electrical Adjustment" to how to enter service
 mode.)
- 3. Select CXA 1587 on menu.

09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.

- 4. Set picture to MAX.
- 5. Adjust G-DRIVE B-DRIVE with ∑, ∑ buttons so that the white balance becomes optimum.
- 6. Press OK button to write the data for each tem.
- 7. Set picture to MIN.
- 8. Adjust G-AUTO CUT OFF, B-AUTO CUT OFF, R
 -MANUAL CUT OFF, G-MANUAL CUT OFF and
 B-MANUAL CUT OFF with . bittons so
 that the white balance becomes optimum.
- 9. Press OK button to write the data for each tem.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-830 (for 25/29 inch) or RM-830 (for 34 inch)

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set while pressing any two buttons on the front panel.

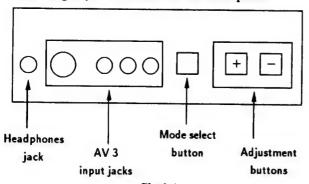
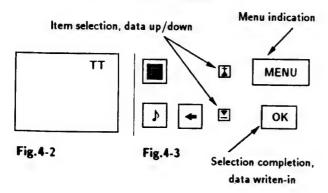


Fig.4-1

2. "TT" will appear on the upper right corner of the screen.

Command operation in service mode



3. Press the MENU button of the commander to get the menu on screen.

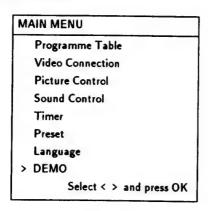


Fig:4-4

- 4. Press the ♣ and ▶ buttons of the commander and move > to DEMO.
- 5. Press OK button to proceed to the next menu.
- 6. The menu of fig.4-5 will appear on screen. Select DEVICE corresponding to the adjustment item from the table on next page.

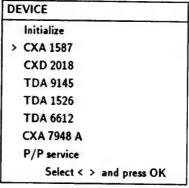


Fig.4-5

7. If adjustment item is CXA 1587, press the Dutton and move > to CXA 1587.

CXA 1587 S

Item No.	Adjustment item	Data Amout
01	PICTURE	3
02	COLOR	1
03	BRIGHT	1
04	HUE	1
05	SHARPNESS	7
06	RGB PICTURE	3
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.

- 8. PressOK button to get the next selection menu.
- 9. Press ∑ button and move > to the adjustment it em and press OK button.
- 10. Press the **▲** and **►** buttons to change the data in order to comply each standard.
- 11. Press OK button to write data.
- 12. Turn off the power to quit service mode when 26 completing the adjustment.

CXA 1587 S

01	DICTURE	
	PICTURE	53
02	COLOR	31
03	BRIGHT	31
04	HUE	31
05	SHARPNESS	7
06	RGB PICTURE	13
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.
21	GAMMA LEVEL	0
22	DC TRANSFER RATIO	3
23	DINAMIC PICTURE	0
24	Y FILTER ADJ	ADJ.
25	Y DELAY TIME	15
26	Y DELAY SWITCH 1	0
27	Y DELAY SWITCH 2	1
28	SHARPNESS LIMIT	ON
29	ALL BLK	OFF
30	H SHIFT	32
31	DAC TEST	ON
32	PRE/OVER SHOOT	7
33	SHARPNESS FO	2
34	SUB SHARPNESS	3
35	R MUTE	OFF
36	G MUTE	OFF
37	B MUTE	OFF

CXA	1526	ADJ.
1	DC SHIFT	(32)
2	UPPER Y BOW	(4)
3	LOWER Y BOW	(5)
4	H.AMP	(48)
5	H TILT	(29)
6	UPPER COR BOW	(32)
7	UPPER TILT	(32)
8	LOWER COR BOW	(32)
9	LOWER TILT	(32)
i		

34 inch only

38	AGING 1	OFF
39	AGING 2	OFF
40	AKB OFF	ON
41	INHIBIT RGB	OFF
42	FORCED RGB	OFF
43	V/2 V	OFF
44	AXIS	PAL
45	HUE SW	OFF
46	V EXTENTION	OFF
47	AFC 1	1
48	AFC 2	0
49	AFC OFF	ON
50	REF.POSITION	0

CXD 2018 Q

CAD 20	10 4	
01	V SIZE	ADJ.
02	V SHIFT	ADJ.
03	S CORRECTION	ADJ.
04	V LINEARITY	ADJ.
05	H SIZE	ADJ.
06	PIN AMP	ADJ.
07	TILT	ADJ.
08	UPPER CORNER	ADJ.
09	LOWER CORNER	ADJ.
10	V BOW	ADJ.
11	ANGLE	ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAM	OFF
19	INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	ADJ.

Typical Value (OSD based) when receiving PAL Philips pattern.

TDA 6612	ADJ.
Stereo-Separation	(30)

Should be adjusted twice 4:3 and 16:9 mode.

Y FILTER ADJUSTMENT

- 1. Input PAL RED pattern.
- 2. Connect an oscilloscope to CN 0403 ① pin (R OUT) on the C board.
- 3. Enter into service mode and press 3, 8.
- 4. Adjust data by △ or ▽ to minimize the chroma element of CN 0403 ① pin.

SUB BRIGHTNESS ADJUSTMENT

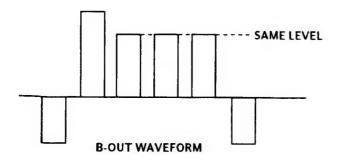
- 1. Input Phillips pattern.
- 2. Enter into service mode and press 23.
- Adjust data so that 0-IRE of the grey scale and CUT
 -OFF 20-IRE glitter slightly.

SUB CONTRAST ADJUSTMENT

- 1. Input a video that contains small 100% area on the Black Back ground.
- 2. Enter into service mode and press 01 to have PIC max followed by 21.
- 3. Adjust data so that 2.5 Vp-p can be obtained at ① CN 0403 (R out).

SUB COLOR ADJUSTMENT

- 1. Input PAL color bar.
- 2. Connect an oscilloscope to CN 0403 ③ pin (B OUT) on the C board.
- 3. Enter into service mode and press 22 of CXA 1587, 8 SUB COLOR.
- 4. Adjust data so that the right sides of the waveform will be the same.



STEREO-SEPARATION ADJUSTMENT

- Input 1 kHz stereo signal to the L-ch and 400 Hz stereo signal to the R-ch.
- 2. Enter into service mode and press 19.
- 3. Adjust data so that sound does not leak to the R-ch and the L-ch.

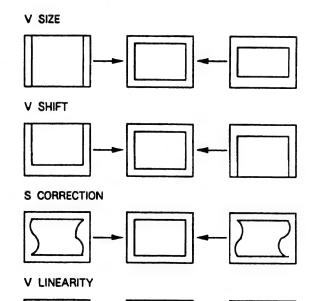
DRIVE AND CUT OFF

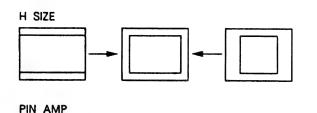
See direct test mode list attached and refer to sub brightness or such for adjustment method.

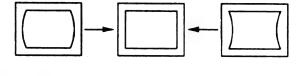
DEFLECTION SYSTEM ADJUSTMENT

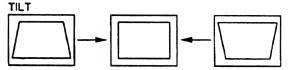
- 1. Enter into service mode and select CXD 2018.
- 2. Select and adjust each item in order to get an optimum image.

01	V SIZE	ADJ.
02	V SHIFT	ADJ.
03	S CORRECTION	ADJ.
04	V LINEARITY	ADJ.
05	H SIZE	ADJ.
06	PIN AMP	ADJ.
07	TILT	ADJ.
08	UPPER CORNER	ADJ.
09	LOWER CORNER	ADJ.
10	V BOW	ADJ.
11	ANGLE	ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAM	OFF
19	NON INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	ADJ.





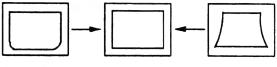


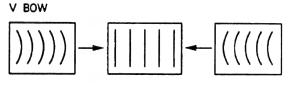


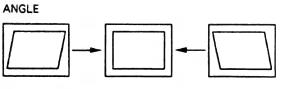


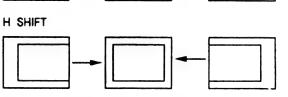












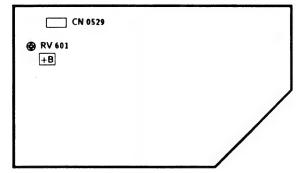
3. Press OK button to write the data.

If menu display may disturb the adjustment press of to clear, to resume it, press again.

4-2. VOLUME ELECTRICAL ADJUSTMENTS

+B (+135 V) ADJUSTMENT (RV 601)

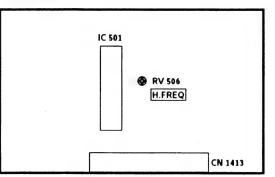
D BOARD



- 1. Turn on the power of the TV set.
- 2. Connect a digital multi-meter to ① pin of CN 0529 on D board.
- 3. Adjust RV 601 on D board to +135 V.

H.FREQ ADJUSTMENT (RV 506)

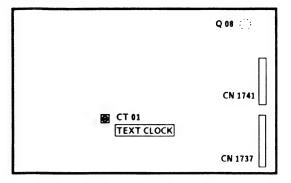
M BOARD



- 1. Connect GND to 22 pin of IC 501 on M board.
- 2. Connect a frequency counter to 4 pin of IC 501.
- 3. Adjust RV 506 on M board to 15,625+100 Hz.
- 4. Remove @ pin of IC 501 from GND.

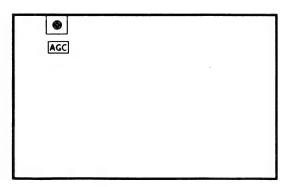
TEXT CLOCK ADJUSTMENT (CT 01)

V BOARD



- 1. Get TEXT MENU on screen.
- 2. Connect GND and the base of Q 08 on V board.
- 3. Adjust CT 01 on V board so that the MENU stands still as much as possible.

AGC ADJUSTMENT (IF BLOCK)



- 1. Receive off-air signal.
- 2. Adjust AGC VR so that there is no snow noise and cross-modulation.
- 3. Change receiving channel and confirm status.

4-3. T

Is avai by pres

08

16

17

4-3. TEST MODE 2:

Is available by pressing Test button two times, OSD "TT" appears. The functions described bellow are available by pressing the two numbors. To release the Test Mode 2, press two times 0, or switch TV in Standby Mode.

00	switch Test Mode 2 off
01	picture maximum
02	picture minimum
03	Volume 35%
04	Volume 50%
05	Volume 65%
06_	Volume 80%
07	Aging Condition (Volumin., Picture max., Brightness
	max., Aging 2 Mode of CXA 1587, TDA 2595 is
	locked to CXA 1587 via PIN 34 of μ -Con.)
08	Shipping Condition (Analog Values are RESET due
	to factory setting, Prog 1 is selected, TT Mode is
	switched off)
09	dummy
10	Tenth entry is deleted
11	Balance
12	Hue
13-14	dummy
15	Read factory setting from NVM
	Reads Volume, Balance, Treble, Bass, Brightness,
	Contrast, Hue, Sharpness, Colour values from ROM
	to the actual used values (Last Power Memory)
16	Save actual used values as RESET values
	Memorize actual used values Balance, Treble, Bass,
	Hue, Sharpness at RESET position in NVM
17	Preset Lavel for AV Sources
18	dummy
19	Stereo Seperation
20	Tenth entry is deleted
21	Sub Contrast
22	Sub Colour
23	Sub Brightness
	dummy

30	Tenth entry is deleted	
31	Green Drive	
32	Blue Drive	
33	Green Cut Off (Auto Cut Off)	
34	Blue Cut Off (Auto Cut Off)	
35	Red Cut Off (Manual Cut Off)	
	(Auto Cut Off is switched off)	
36	Green Cut Off (Manual Cut Off)	
	(Auto Cut Off is switched off)	
37	Blue Cut Off (Manual Cut Off)	
	(Auto Cut Off is switched off)	
38	Y-Filter adjustment (Trap is switched off and TDA	
	9145 is switched in forced NTSC Mode)	
39	dummy	
40	Tenth entry is deleted	
41	Default setting of CXA 1587	
	(Only in Plog 99 available)	
42	Default setting of CXA 2018	
	(Only in Plog 99 available)	
43	Default setting of CXA 1526	
	(Only in Plog 99 available)	
44	(all Port High) Not yet	
45	(all Port High) Not yet	
46-48	dummy	
49	Erease the NVM Testbyte (this byte detects already	
	stored NMV's) After selecting this function, switch	
	TV Off and On \rightarrow the NVM will be preset by μ -	
	Controller. (Not the channel data)	

Note: For No. 35, 36, 37 and 38 special pressing (AKB, forced Color Mode, Trap) is selected.

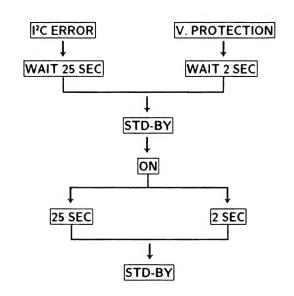
After selecting a new Test Mode Number, the AKB is switched ON, the Trap is switched On and TDA 9145 is switched to Auto Search Mode.

In Test Mode 2 the Menu display is switchable by Speaker-Off button.

4-4. ERROR MESSAGE

Self diagnos system can operates as follows.

 When MP can't get the acknowledge back from the device, LED starts flashing according to the table as attached.



In case of more errors in parallel, the blinking error shows max. Priority according to the error number (e.g. error 2 and error 5 appears together, then LEDs shows error 2).

TABLE OF ERRORS

ERROR COUNT	IC TYPE	FUNCTION
1	I C BUS	SDA low
2	X 24 C 16	EEPROM
3	SDA 3202	Tuner PII
4	TDA 9145	Colour decoder
5	CXA 1587	RGB/Jungle
6	TDA 6612	Sound processor
7	CXD 2018	V deflection
8	CXA 1545	AV switch
11	SDA 5248	Text
13		V protection

No IK return

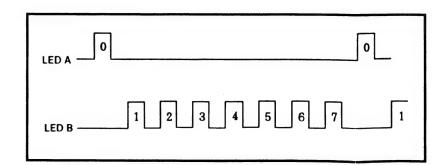
Stand by LED blinking

4-5. ERROR II C BUS DIAGNOSIS SYSTEM IN

For all ICs in AE 2 chassis which are necessary to get picture and sound there is a built in error I²C Bus diagnosis system.

AE 2 CHASSIS AVAILABLE

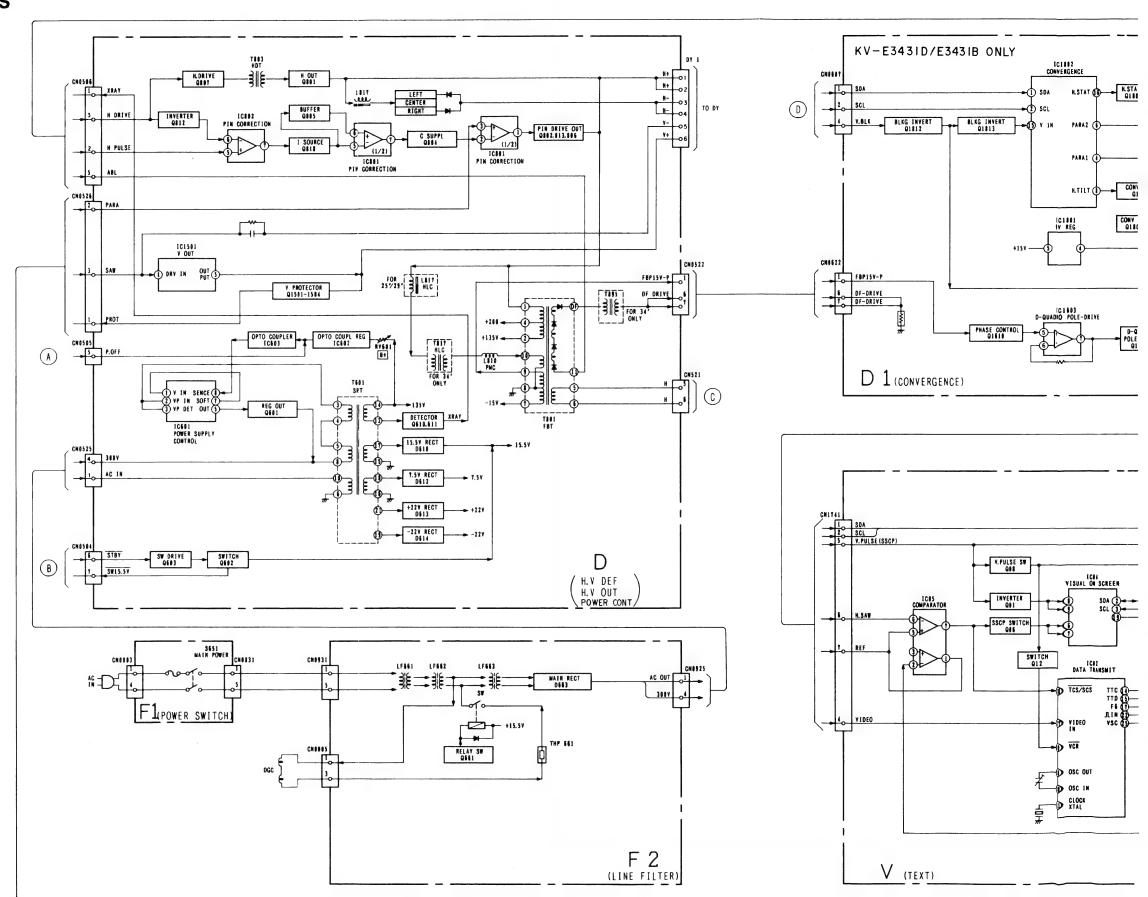
In case of no acknowledge bit, LED A and LED B starts blinking as shown.

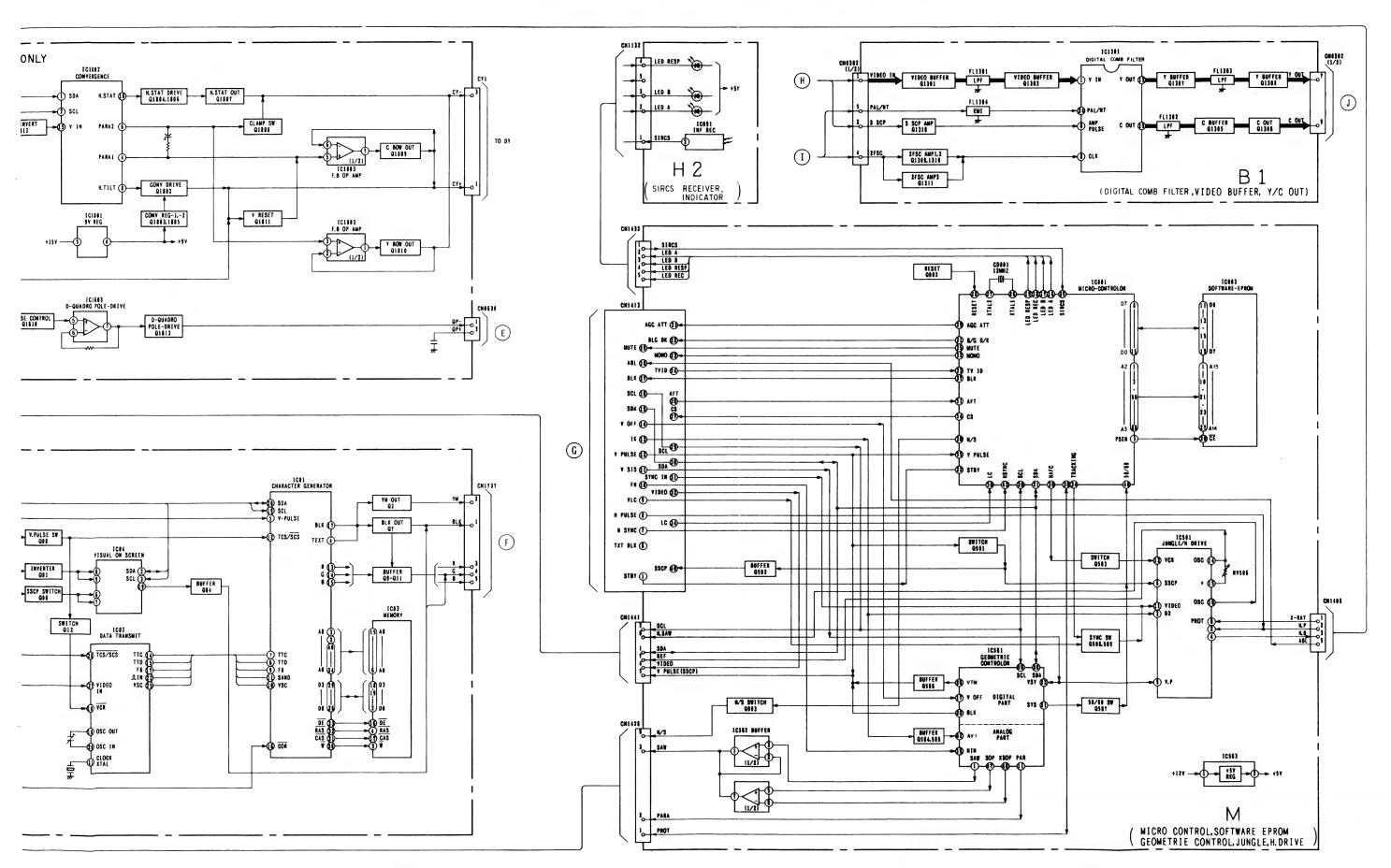


stands

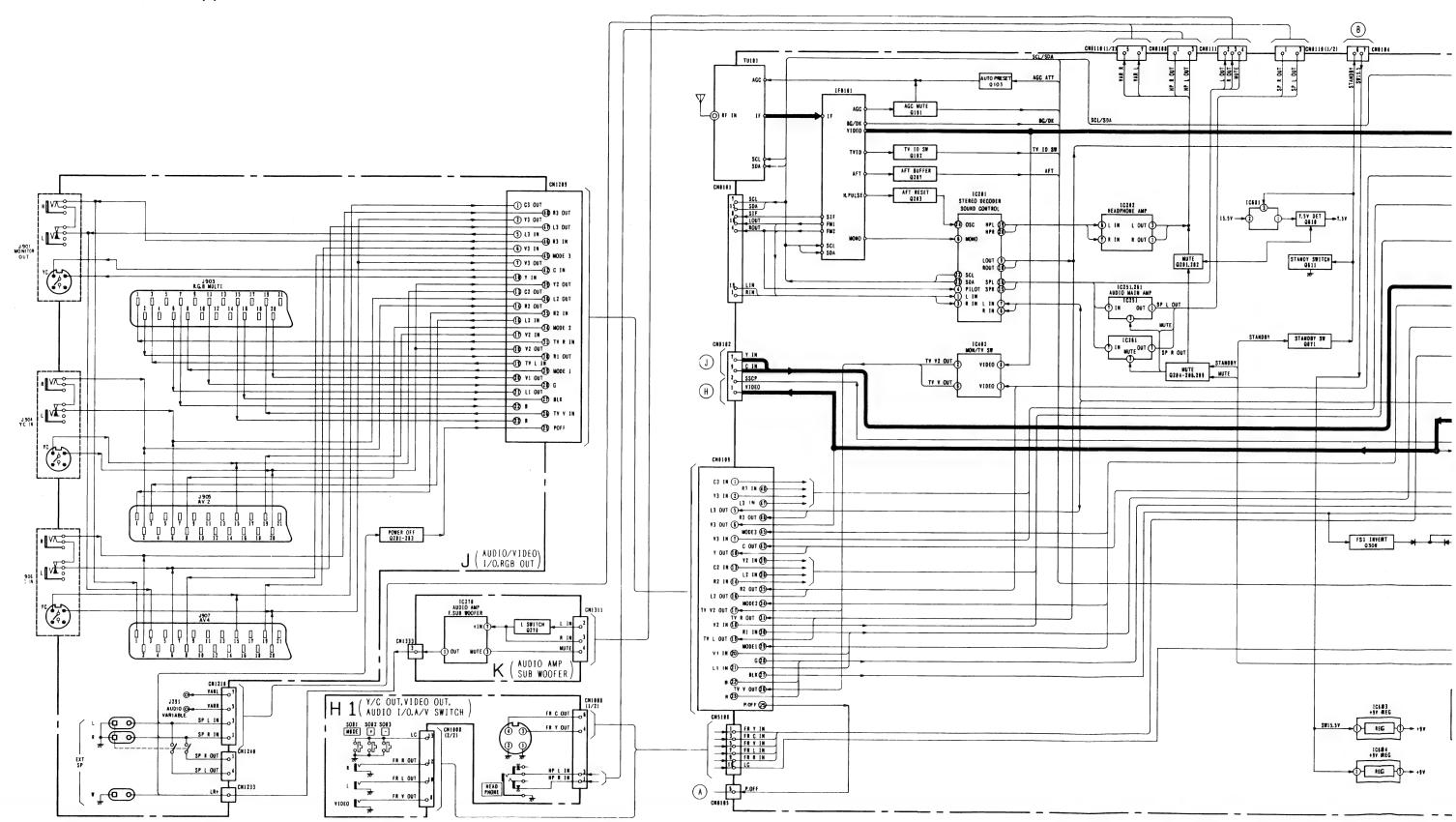
pise and

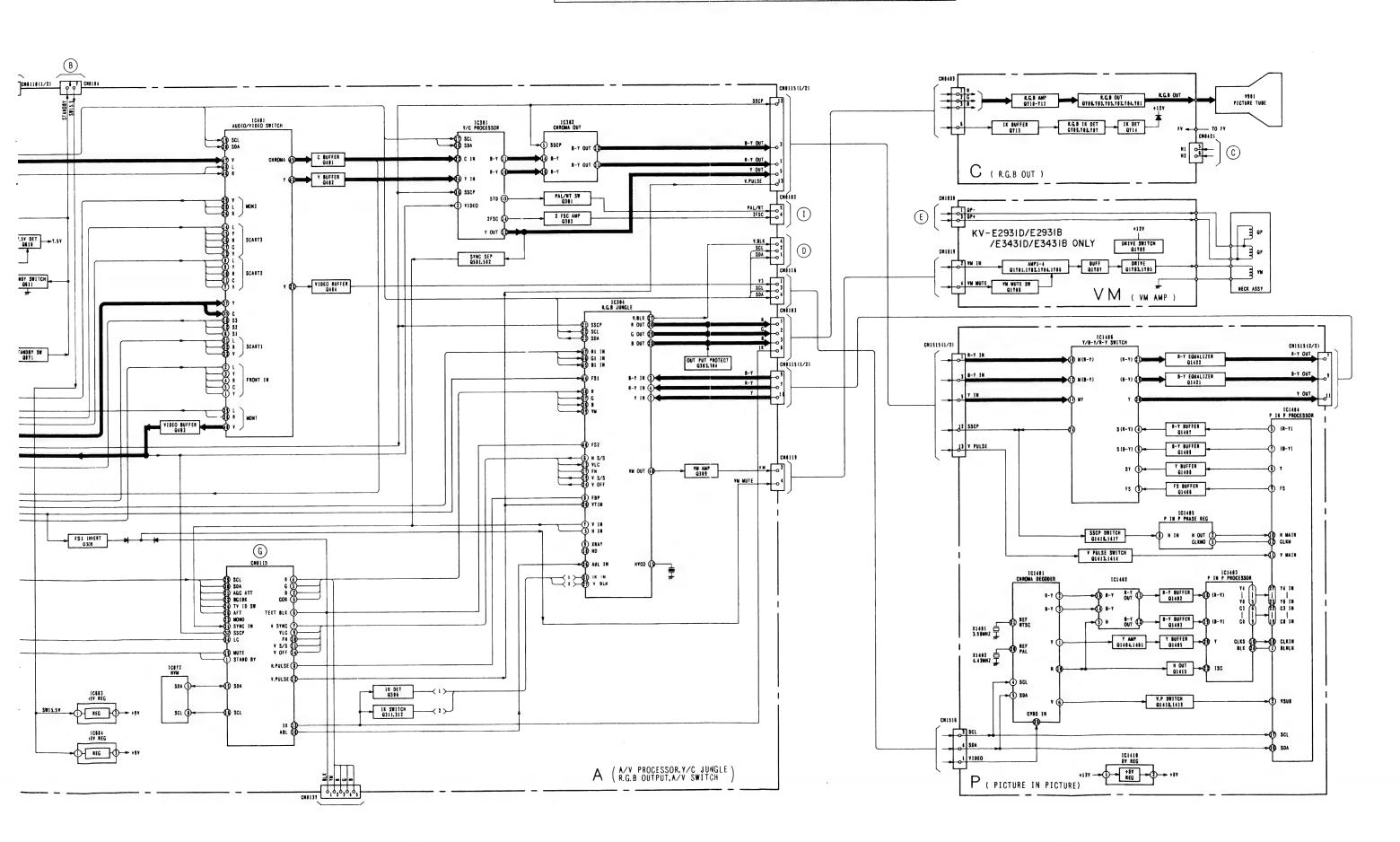
5-1. BLOCK DIAGRAMS (1)



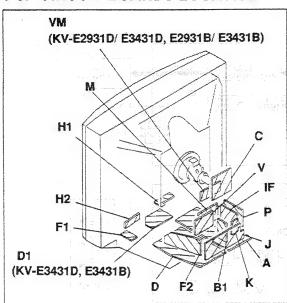


5-2. BLOCK DIAGRAMS (2)





5-3. CIRCUIT BOARDS LOCATION



5-4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

— Conductor Side —

- · All capacitors are in uF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- · All electrolytics are in 50V unless otherwise noted.
- · All resistors are in ohms.

 $k\Omega = 1000\Omega$, $M\Omega = 1000K\Omega$

· Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm

Rating electrical power 1/4W

- METAL FILM (:RN) resistors in 1%, 1/6W unless otherwise noted.
- · Chip resistors are 1/10W otherwise noted.
- METALCHIP (:RN-CP) resistors in 0.5%, 1/6W unless otherwise noted.
- : nonflammable resistor.
- Δ : internal component.
- : panel designation, or adjustment for repair.
- · All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- · ___: earth-ground.
- · ---: earth-chassis.

All voltages are in V.

- Voltage are do with respect to ground unless otherwise
- Readings are taken with a 10 $M\Omega$ digital multimeter.
- · Readings are taken with a color-bar signal input.
- · Voltage variations may be noted due to normal production tolerance.
- No mark : PAL or COMMON
-) : SEGAM
- [1 : NTSC 4.43
- < > :NTSC 3.58 : B+ bus.

-: signal path. (RF)
- Circuled numbers are waveform references.

Reference information

RESISTOR : RN METAL FILM : RC SOLID

NONFLAMMABLE CARBON

: FUSE NONFLAMMABLE FUSIBLE NONFLAMMABLE WIREWOUND : RW

NONFLAMMABLE METAL OXIDE : RS

NONFLAMMABLE CEMENT : RB : ※

ADJUSTMENT RESISTOR

COIL : LF-8L MICRO INDUCTOR CAPACITOR : TA TANTALUM

: PS STYROL

: PP POLYPROPYLENE

: PT MYLAR

METALIZED POLYESTER : MPS METALIZED POLYPROPYLENE

: ALB **BIPOLAR**

HIGH TEMPERATURE : ALT

: ALR HIGH RIPPLE

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Note:

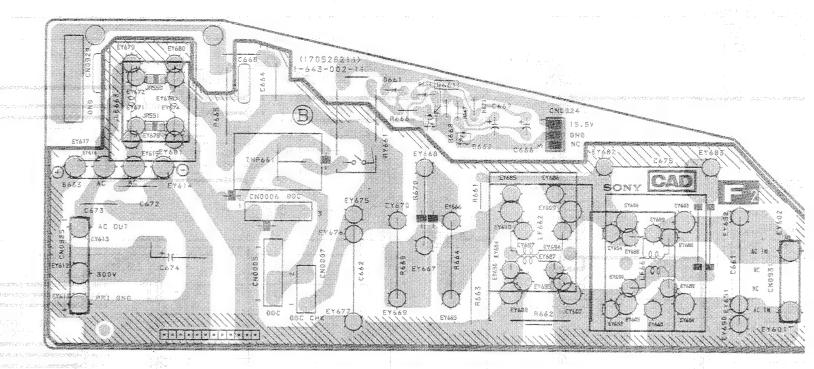
Les composants identifiés par un tramé et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



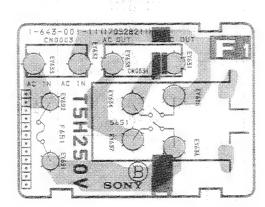
IAC IN, POWER SWI

[Y/C OUT, VIDEO OUT, AUDIO I/O, A/V SWITCH]

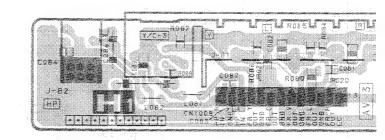
- F2 Board -



- F1 Board -



- H1 Board -



KV-E2531D/E2931D/E3431D KV-E2531B/E2931B/E3431B RM-830 RM-830 RM-832

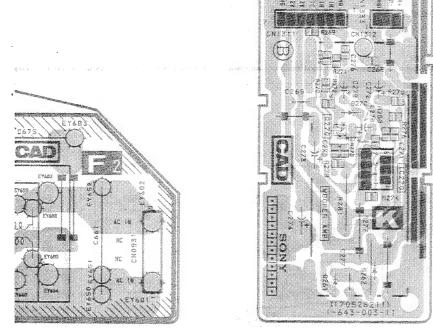
KV-E2531D/E2931D/E3431D KV-E2531B/E2931B/E3431B RM-830 RM-830 RM-832

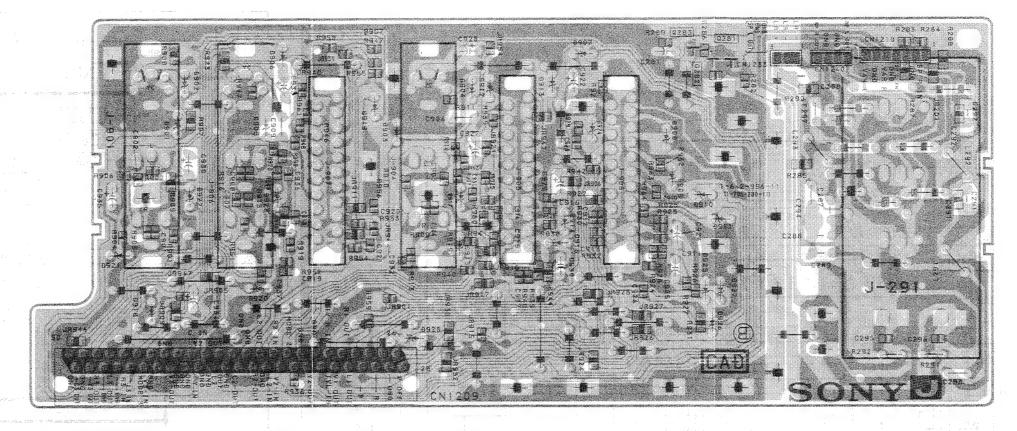


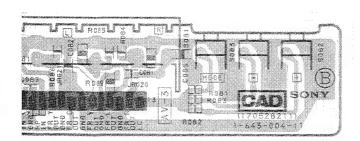
J [AUDIO/VIDEO I/O]

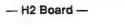
H2 [REMOTE SENSOR, A.B SAT AND RES]

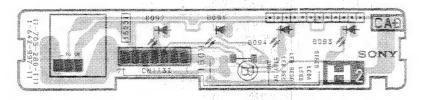
-J Board -







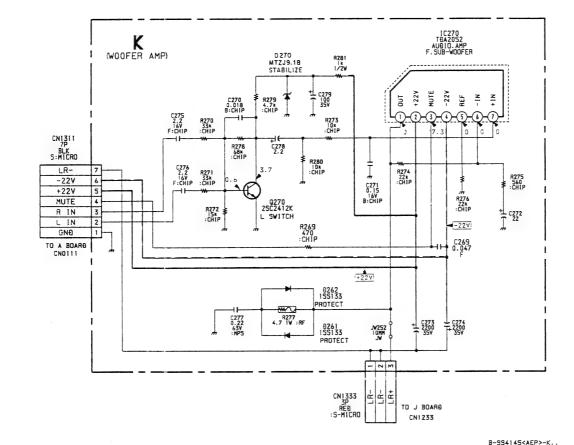




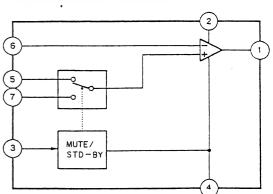
• Pattern from the side which enables seeing.

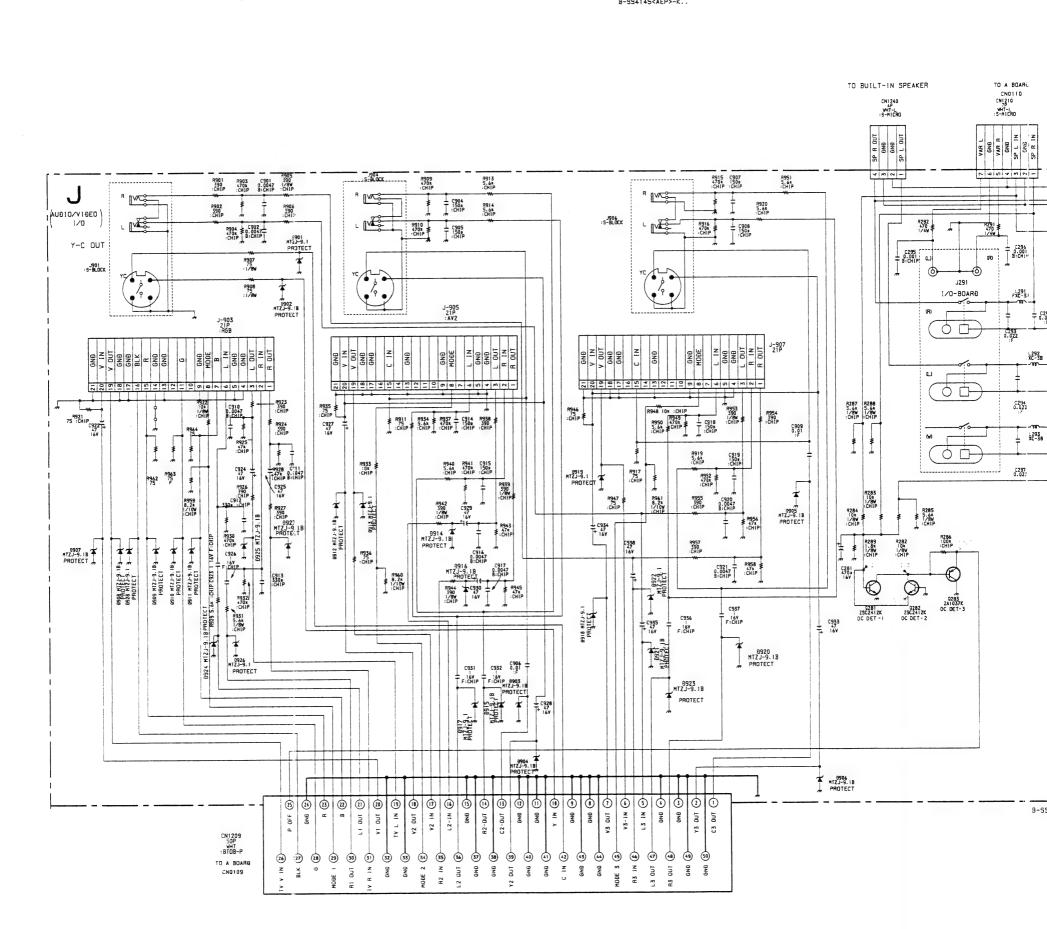
• : Pattern of the rear side.

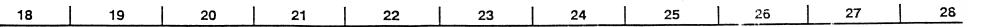


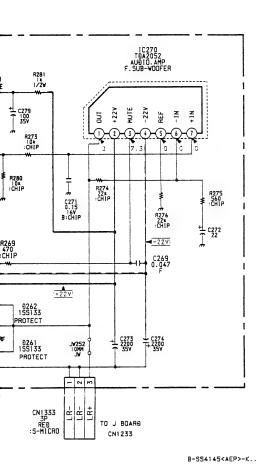


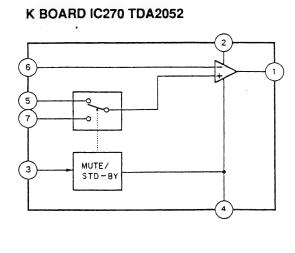
K BOARD IC270 TDA2052











TO BUILT-IN SPEAKER CN1240 4P VHT-L :S-MICRO R915 C907 470k 150e :CHIP :CHIP R951 5.64 :CHIP C904 T 150s R914 CHIP 5.6k R920 5.6k : CHIP WZ09 C905 150s CHIP C296 0.001 B:CH1P J291 JWZ11 5HH 2 0 R287 R288 S.6x S.6x 1/8W 1/8W :CHIP :CHIP 0.022 0.022 0.022 R948 10k :CHIP

R950 | R949 | C918
5.6k | CHIP | T508
:CHIP | CHIP R937 C914 R938 470k T150p 390 CHIP CHIP 293 XC-38 R917 CHIP R961 R961 P710V R940 R941 C915 5.6k 470k 150m CHIP :CHIP :CHIP 9919 MTZJ-9.1 PROTECT 0.023 C298 R290 0.022 5.6k R284 10k 1/8₩ 1/8H C921 R958 47k CHIP CHIP C281 470# C937 16V F:CHIP PRQTECT 9920 MTZJ-9.18 PROTECT C932 0.01 9923 MTZJ-9.18 PROTECT C928 T+ 477 16V 9906 MIZJ-9.18 PROTECT B-SS4145<AEP>-J 12 OUT (%)

12 OUT (%)

13 OUT (%)

14 OUT (%)

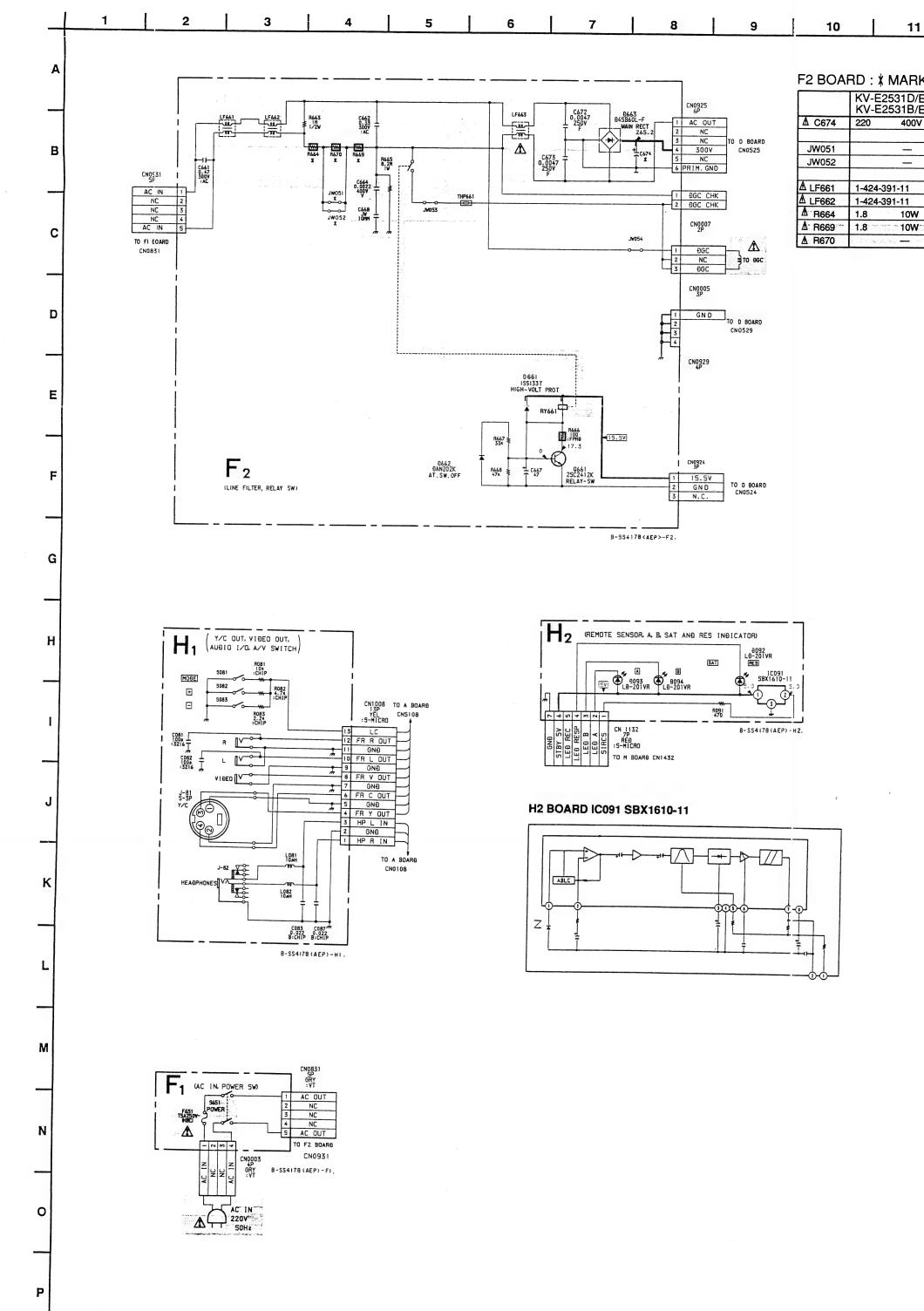
15 OUT (%)

16 OUT (%)

17 OUT (%)

18 OUT (%)

19 OUT

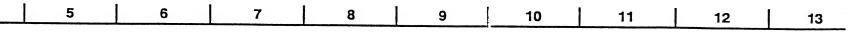


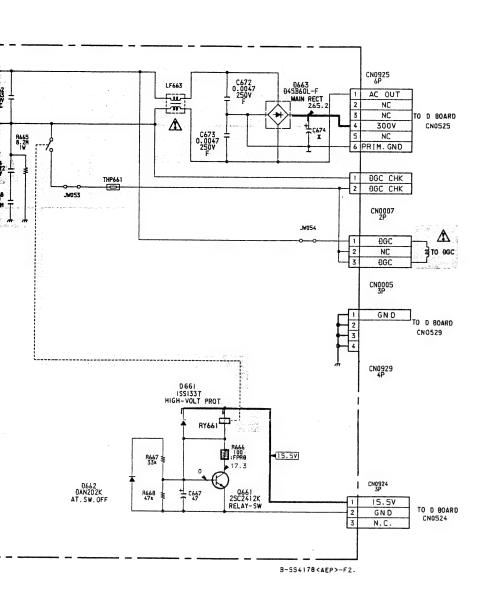
11

400V

10W

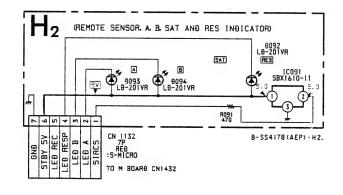
10W



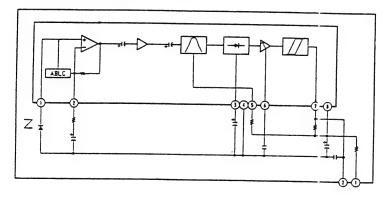


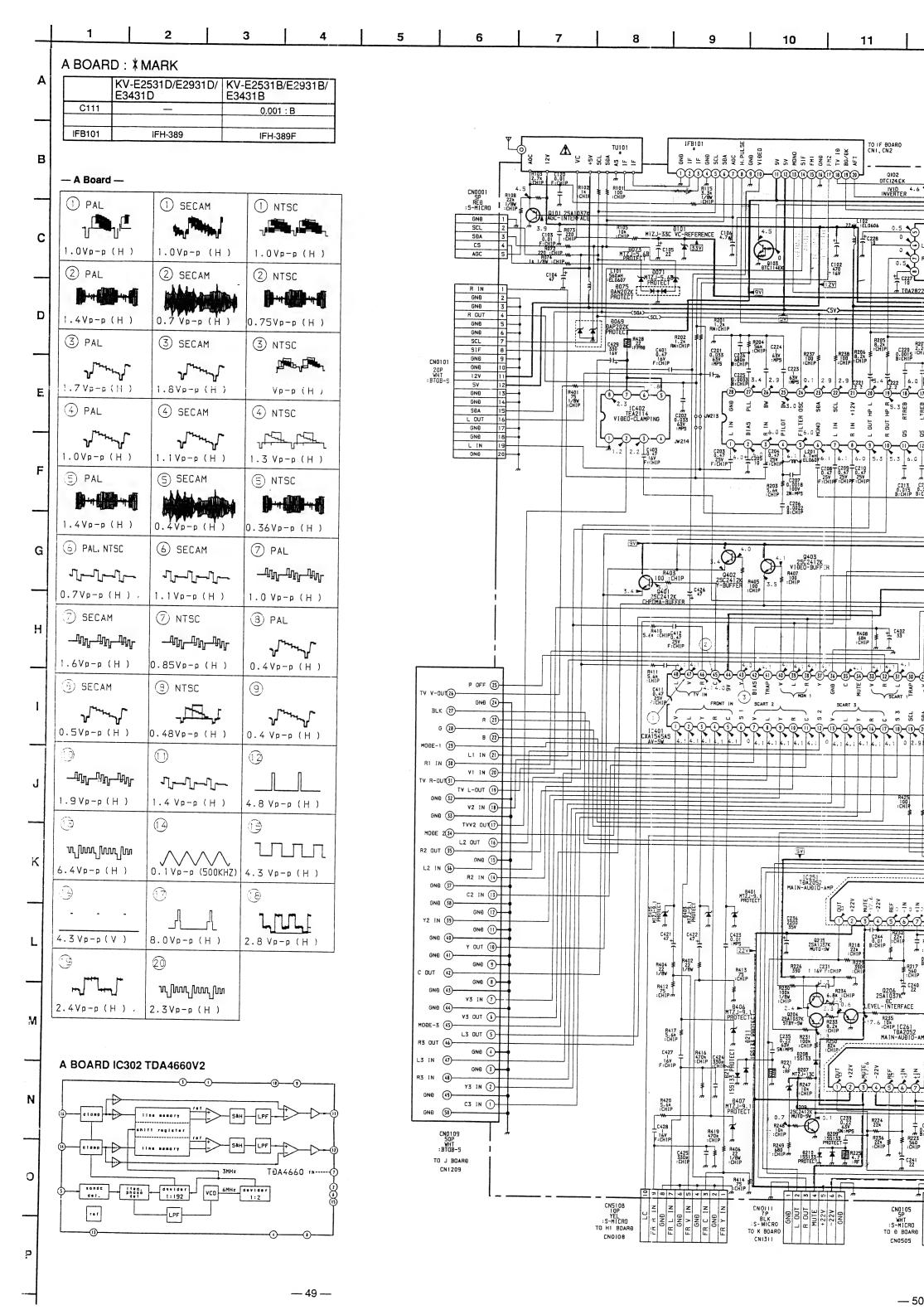
F2 BOARD: X MARK

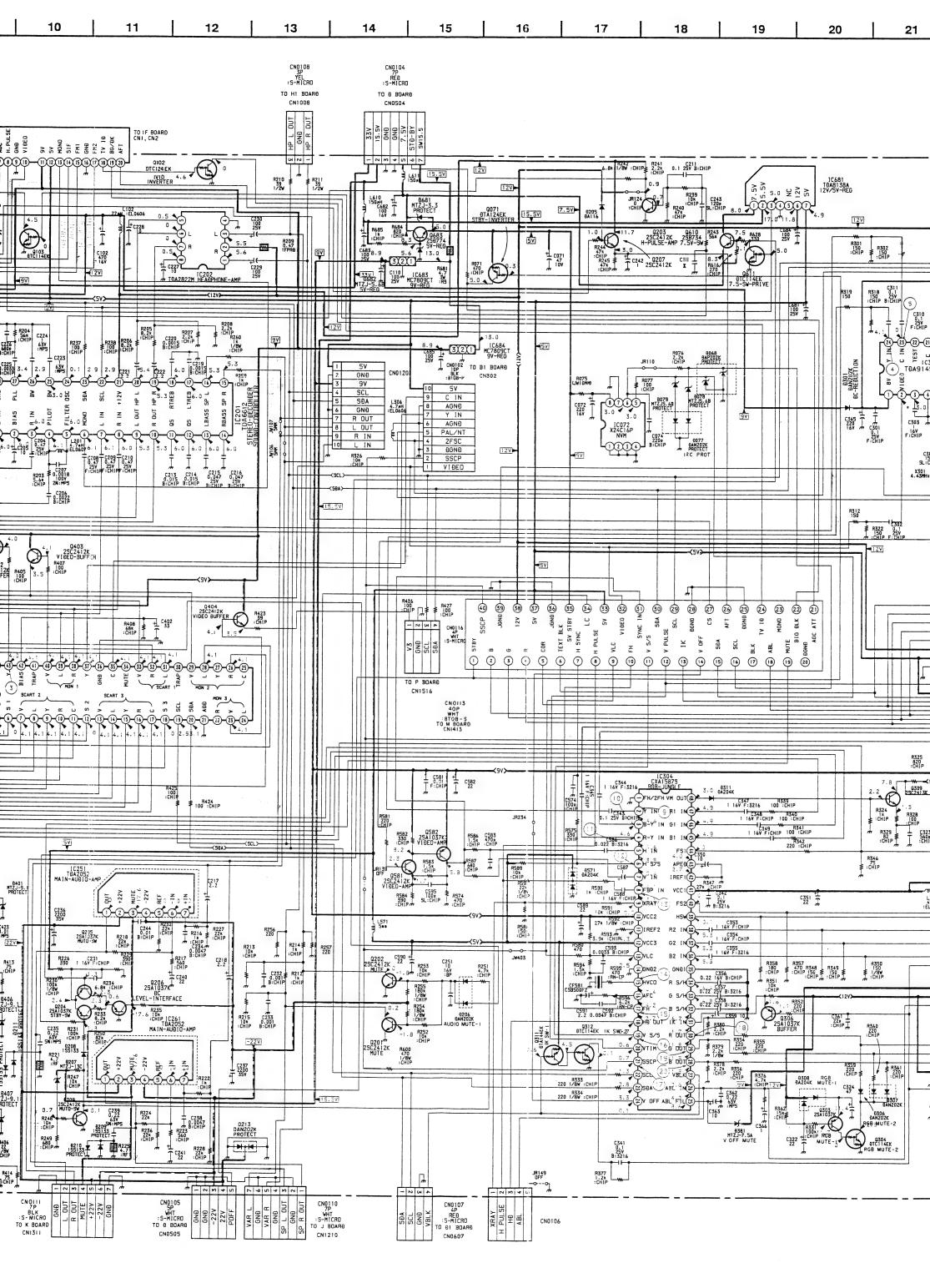
	KV-E2531D/E2931D KV-E2531B/E2931B	KV-E3431D KV-E3431B		
∆ C674	220 400V	330 400V		
JW051		5MM		
JW052		5MM		
△ LF661	1-424-391-11	1-424-436-11		
∆ LF662	1-424-391-11	1-424-436-11		
⚠ R664	1.8 10W : RB	1.2 10W : RB		
∆ R669	1.8 10W : RB	1.2::10W::RB		
∆ R670		1.2 10W : RB		

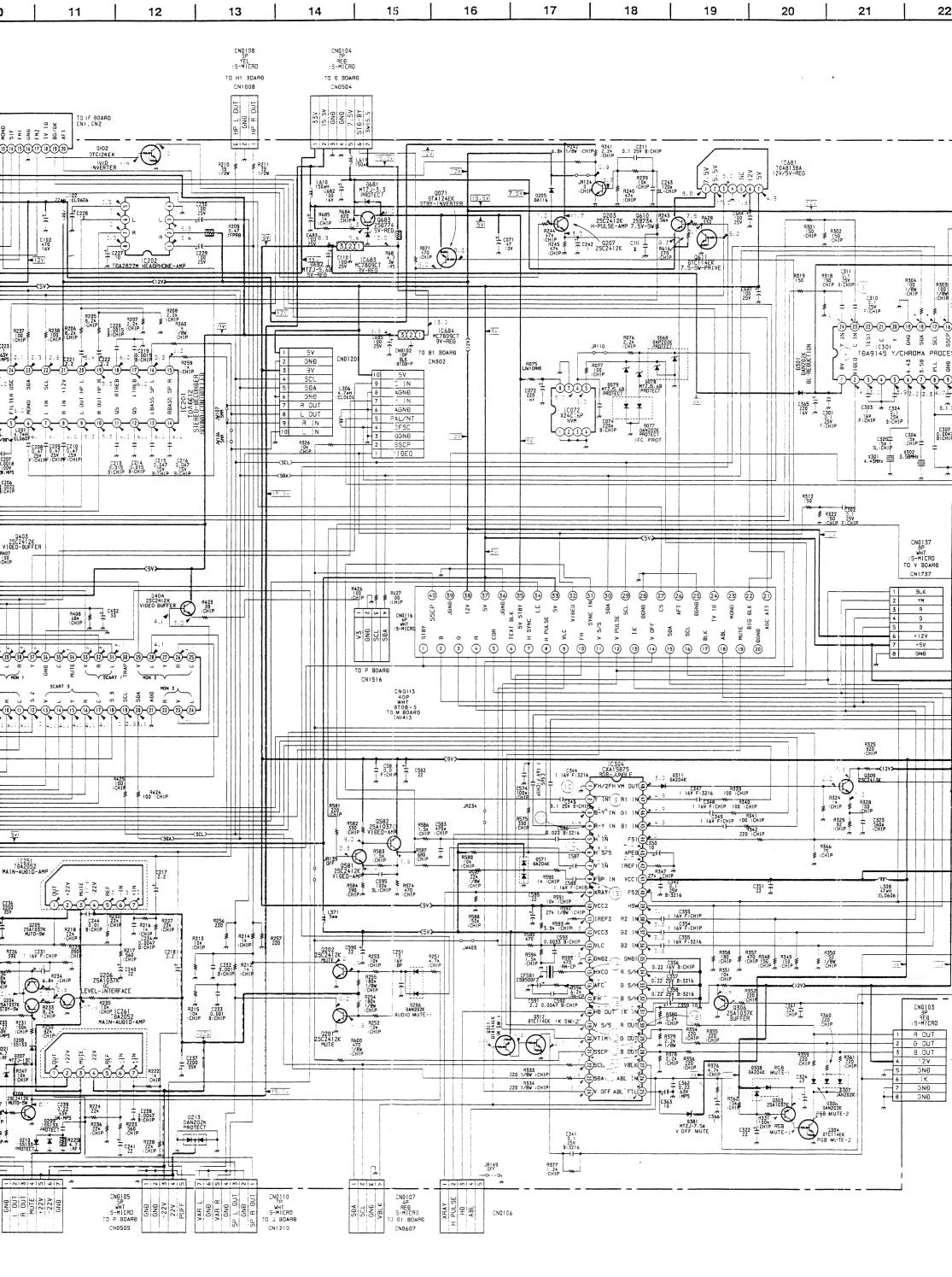


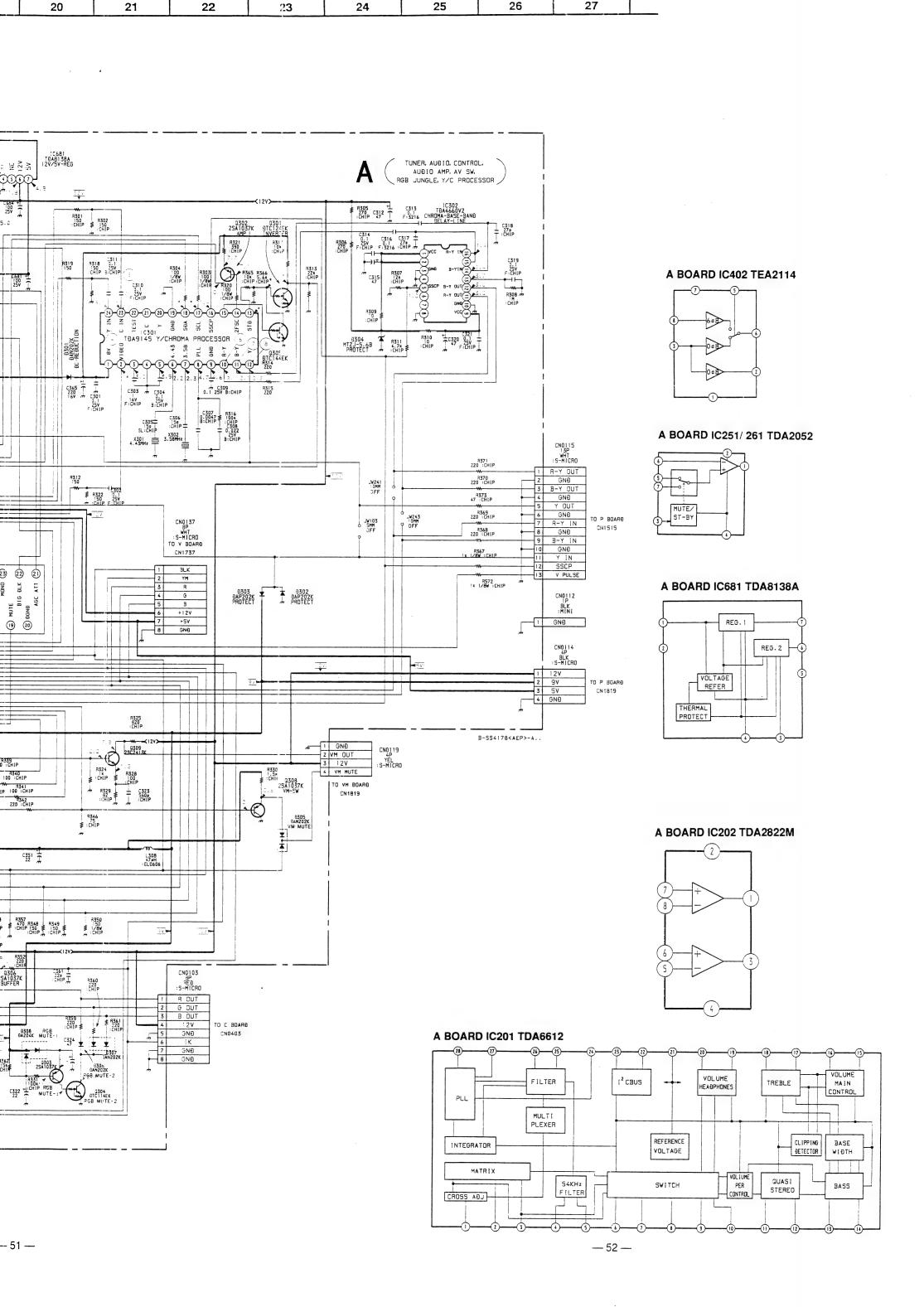
H2 BOARD IC091 SBX1610-11





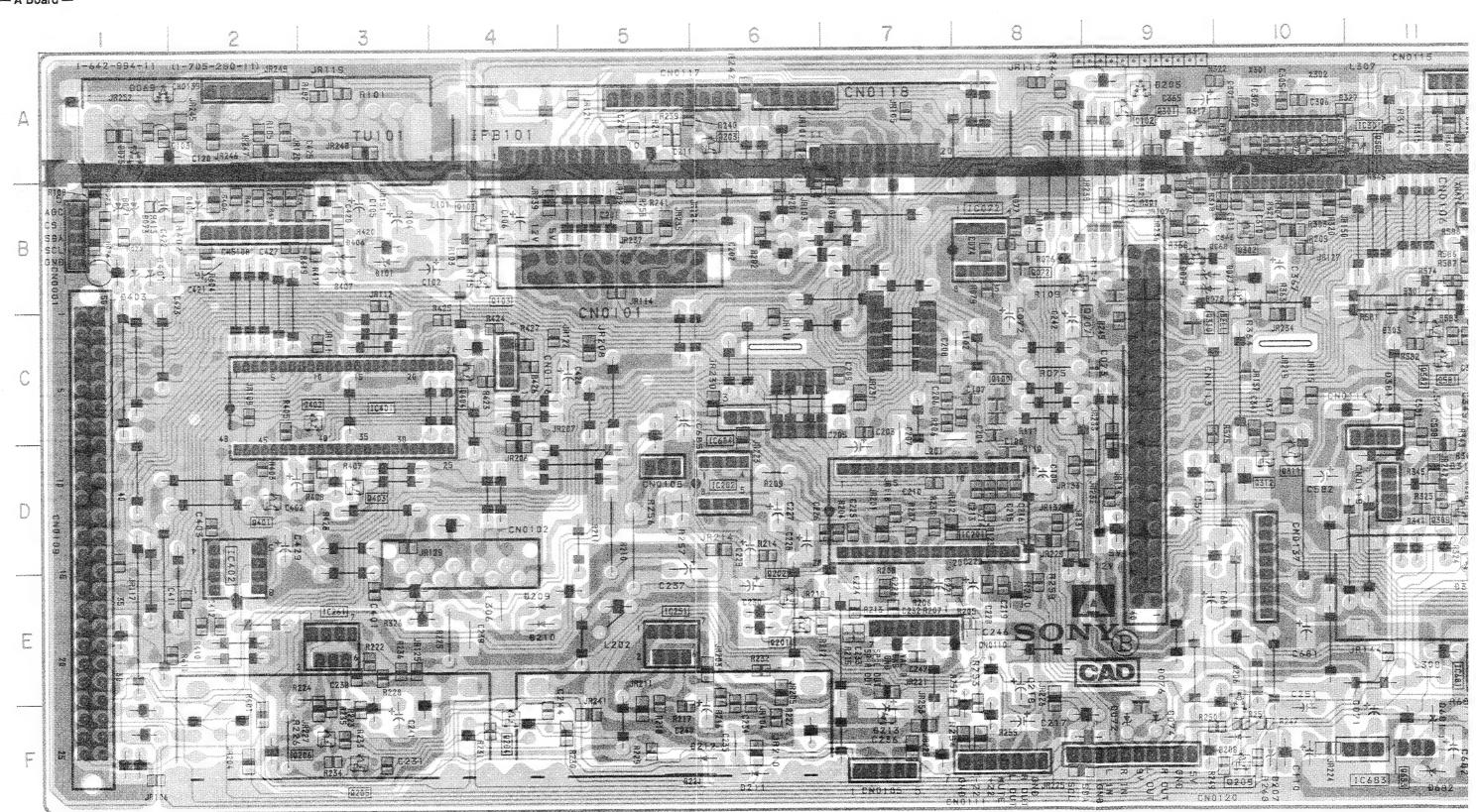








— A Board —



- A Board -

13

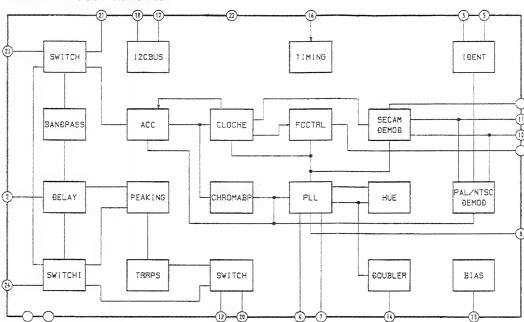
12

CMONE

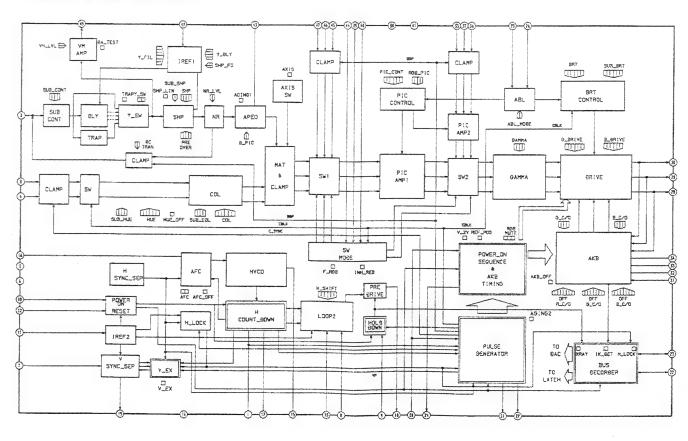
IC -		Q581	C-11	
	<u> </u>	Q610	F-12	
IC072	B-8	Q611	F-12	
IC201	D-7	Q683 F-11		
IC202	D-6	DIODE		
IC251 E-5		DIODE		
IC261	E-3	D068	B-9	
IC301	A-10	D069	A-1	
IC302	A-13	D071 :	B-1	
IC304	C-12	D073	B-1	
IC401	C-3	D075	A-1	
IC402	D-2	D077	B-10	
IC681	E-12	D078	B-9	
IC683	F-11	D079	B-9	
IC684	C-6	D101	B-3	
TDANK	NOTOD	D205	A-9	
IMANS	SISTOR	D206	E-10	
Q701	F-12	D207	F-10	
Q101	B-4	D208	F-10	
Q102	A-9	D209	E-4	
Q102	B-4	D210	E-4	
Q201	E-6	D211	F-6	
Q202	E-6	D212	F-6	
Q203	A-6	D213	F-7	
Q204	F-4	D301	B-11	
Q205	F-3	D302	A-12	
Q206	F-3	D303	C-11	
Q207	C-9	D304	B-13	
Q208	F-10	D305	D-11	
Q209	A-9	D306	E-13	
Q301	A-10	D307	E-13	
Q302	E-13	D308	E-13	
Q303	E-13	D311	D-11	
Q304	E-12	D381	C-11	
Q306	D-12	D401	B-1	
Q308	D-11	D403	B-1	
Q309	D-10	D405	B-2	
Q311	D-10	D406	B-3	
Q312	D-2	D407	B-3	
Q401	C-3	D571	C-12	
Q402	D-3	D681	F-11	
Q403	C-4	D682		
Q404	C-11			

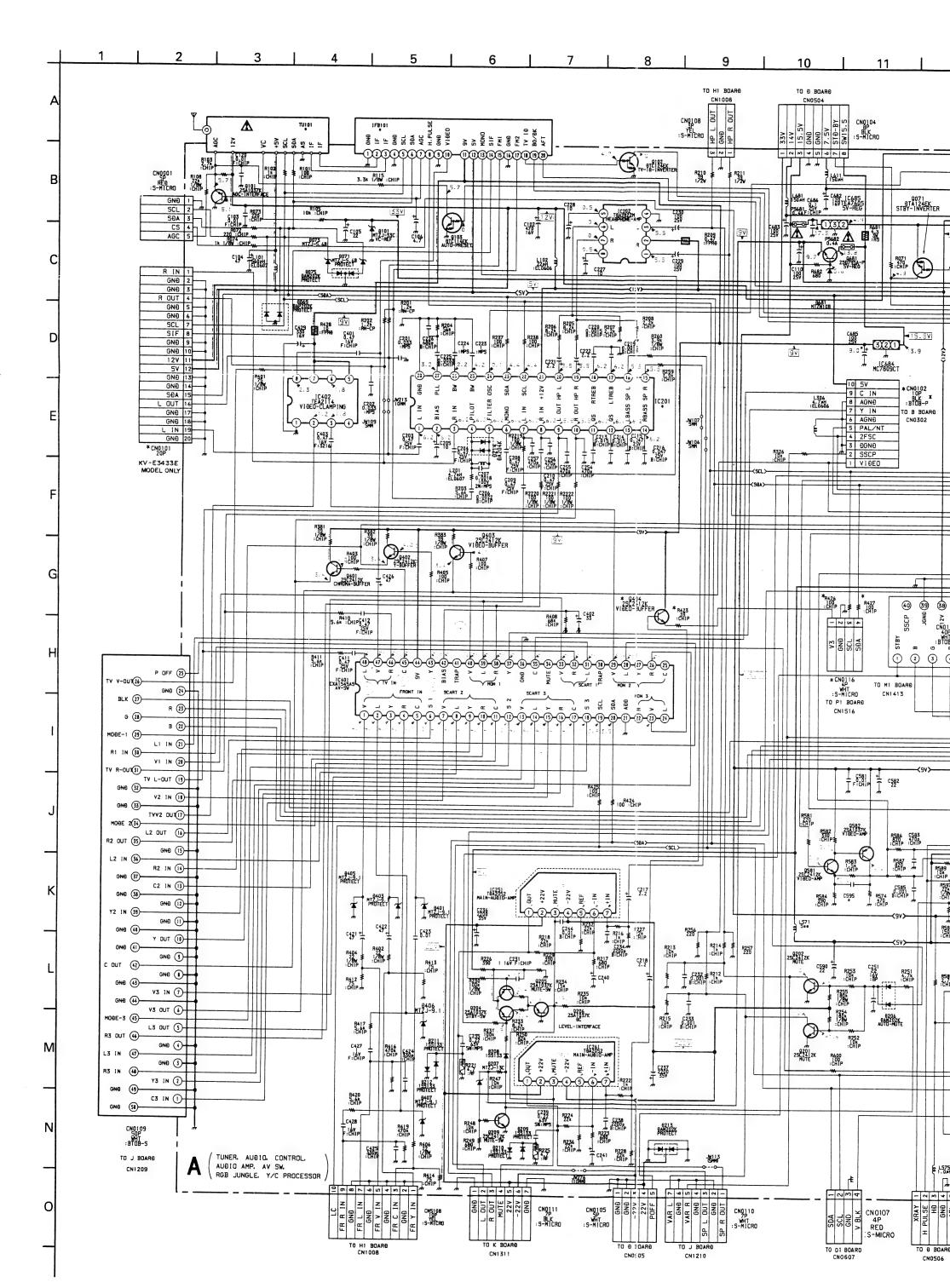
*	*	Pattern	from	the	side	which	enables	seeing.
*	:	Pattern	of the	e re	ar sic	le.		

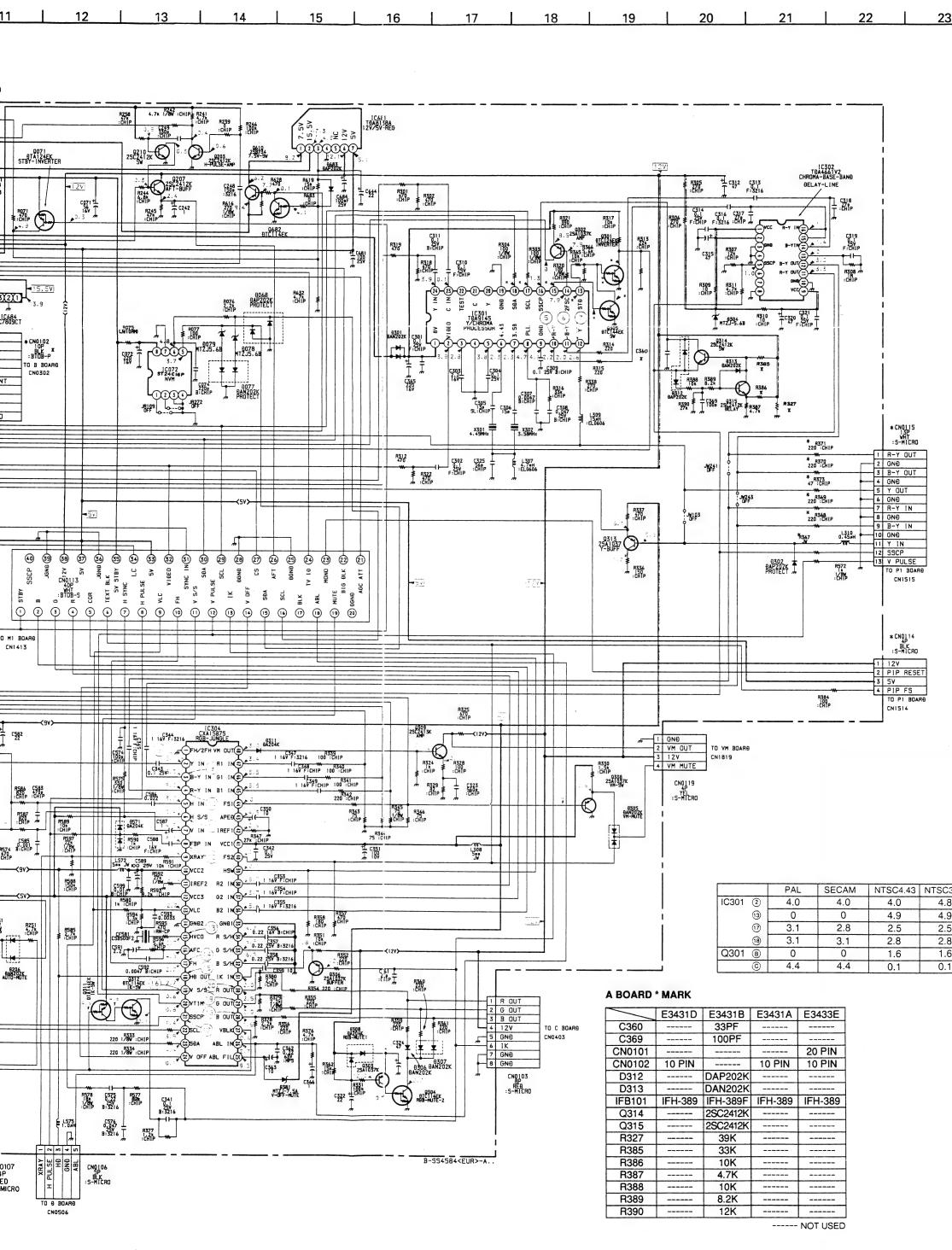
A BOARD IC301 TDA9145

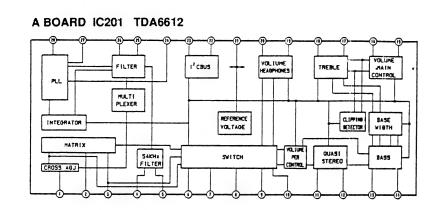


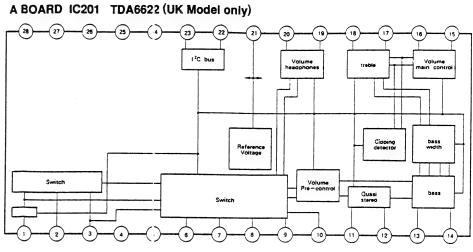
A BOARD IC304 CXA1587S

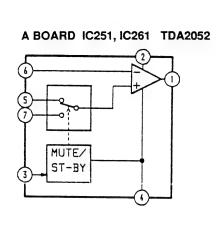


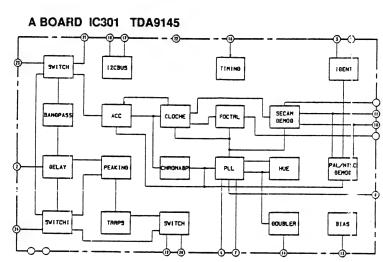


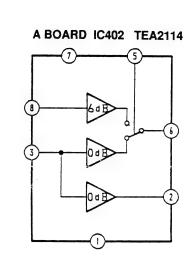


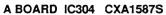


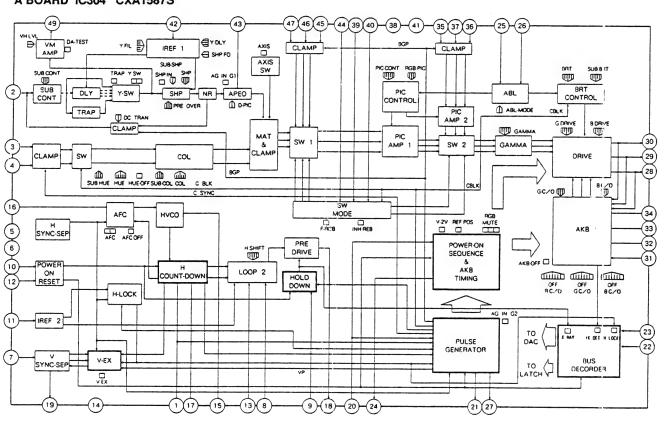


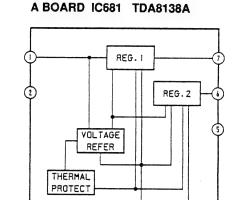




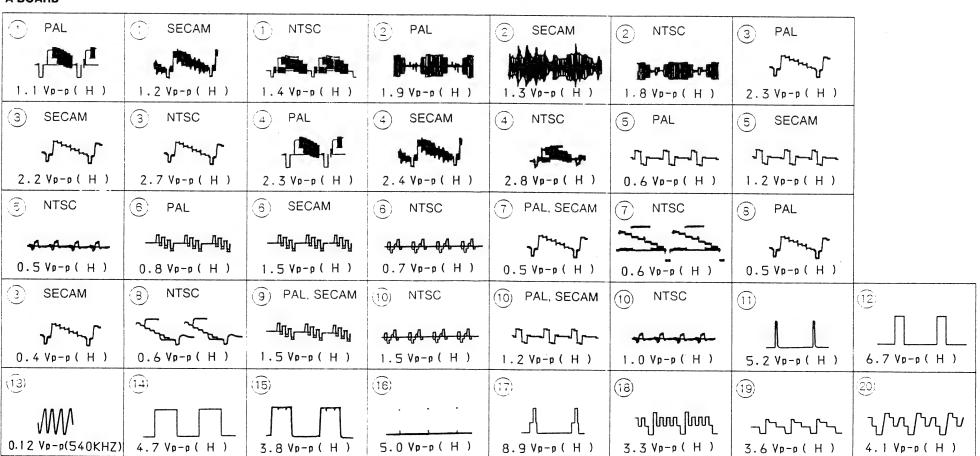


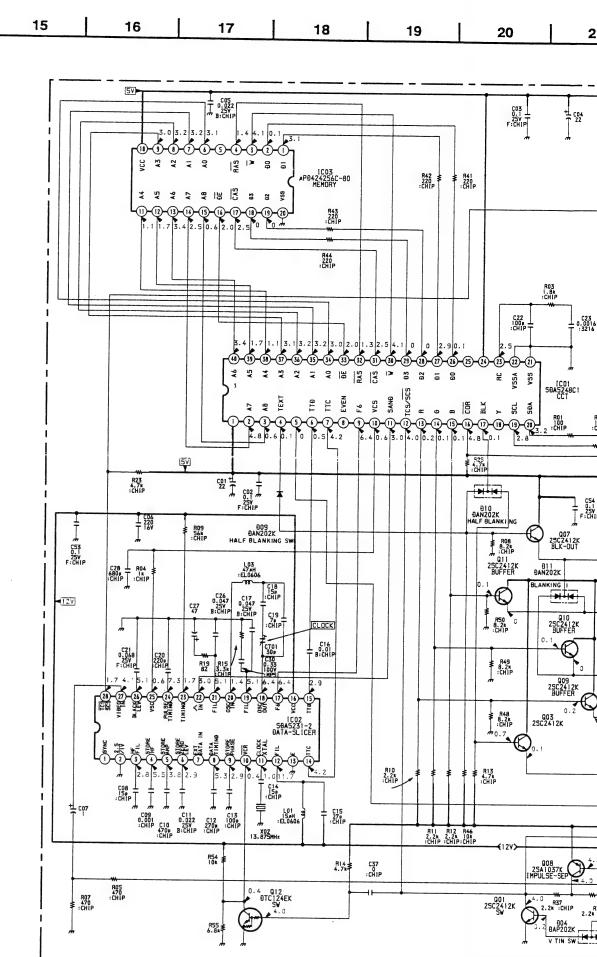






A BOARD





D BOARD : X MARK

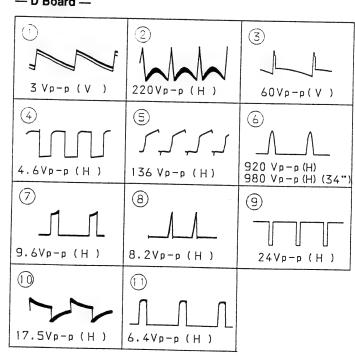
12

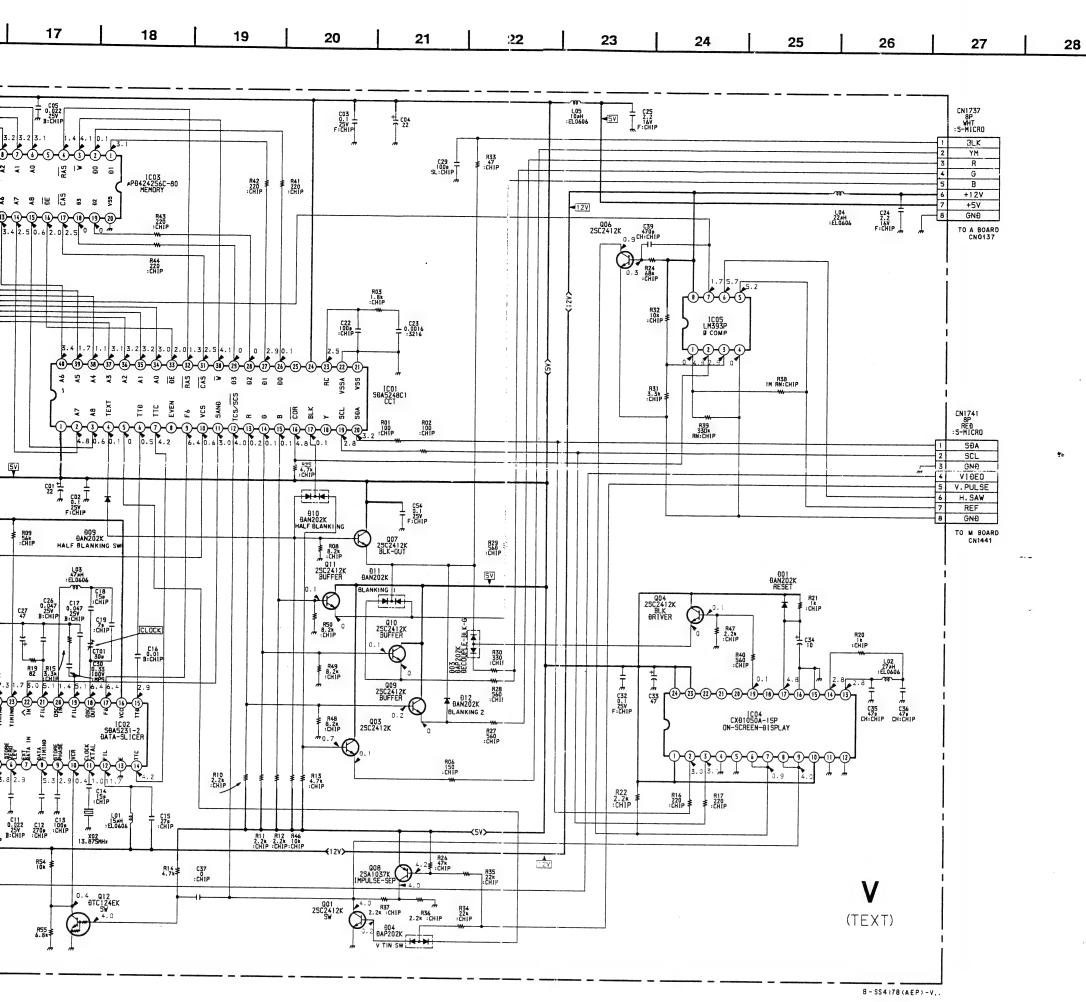
13

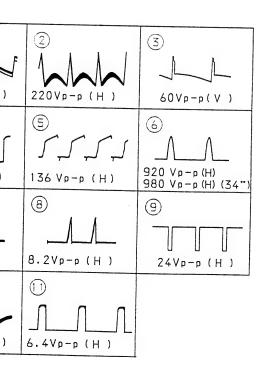
14

			K						
	K\	/-E250 /-E250	31D 31B	KV KV	-E29 -E29	31D 31B	K/	/-E34 /-E34	31D
C603	0.0022	4001		0.0022	400	-	1		310
C612	0.0056	50V		0.0068	63 V		0.0068	63V	
∆ C821	0.021	1.2K	v	0.021	1.2		1.2KV	: PP	
C823	0.47	50V	-	0.47	50V		1	50V	
C824	0.0047	63V		0.0022	63 V		0.0022	63V	
∆ C826	0.068	630\	,	0.068	630		0.056	630V	
C827	0.047	100\	,	0.1		V MPS	0.1	63V	
C833	1.8	200\	,	2	200		1.8	200V	
C834	0.62	2001	,	0.82	200		1.2	200V	
C851	0.0047	400V	,	0.001	63V		0.001	63V	
∆ C854	330P	2KV	В	560P	2KV		330P	2KV	В
C863	0.047	100		0.047	100		1		
C866	0.001	400V			_				
C869	0.1	100V		0.1	100	V : NPS	0.1	63V	
C1507	0.22	100V	: MPS	0.27		V : MPS	0.27	100V	: MPS
C1513					_		68P	50V	. 1411 0
CN0522					_		9P		
D811							ERB44-0)6	
JW304	20MM	JW							
JW305	20MM	JW							
011000	ZUIVIIVI	244					-		
L802	 						2.2MMH		51.00
L817	HLC			HLC					:EL060
	7,20			HLC			HLT		
R601	8.2	1W	: RS	2.2	1W	:FS	2.2	1W	: AS
R630	2.2K	1/4W		2.2	1/4W		2.2	100	. no
R801	6.8K		: CHIP	1.5K	1/444	: CHIP	1.5K		: CHIP
R821	1.5K		: RS	1.2K	3W	: F-S	1.2K	3W	: RS
R822	1.5K	3W	RS	1.2K	3W	: F3	1.2K	3W	: RS
R825	0.47	1W	: RS	0.47	1W	:F3	0.27	1W	: RS
R834	330K		: CHIP	150K	144	: CHIP	180K	144	
R838	56K		CHIP	68K		: CHIP	100K		: CHIP
R839	1.8K		CHIP	3.6K		CHIP	3.6K		
R845			. 01	J.UK		. CITIP	270K		: CHIP
R847	100K		: CHIP	82K		· CHIP	150K		CHIP
R849	33		: RS	15	2W	: CHIP	15UK		CHIP
R864	30K		: RN-CP	15K	244	: RS : RN-CP	150K		: RS
R868	33K	1/4W		15K	1/4W	. HIN-CP	8.2K		: RN-C
R1502	3.9K			3.6K	1/477		3.6K	1/4W	
R1509	56K			47K			3.6K 47K		
1 T601	(CMTT)								
	(SMT7)		RST	(SMT89)		: RST	(SMT89)		: RST
	UX-2600/	12		UX-2600A	2		UX-2602A	3	
T895		-	- 1		_		DFT		

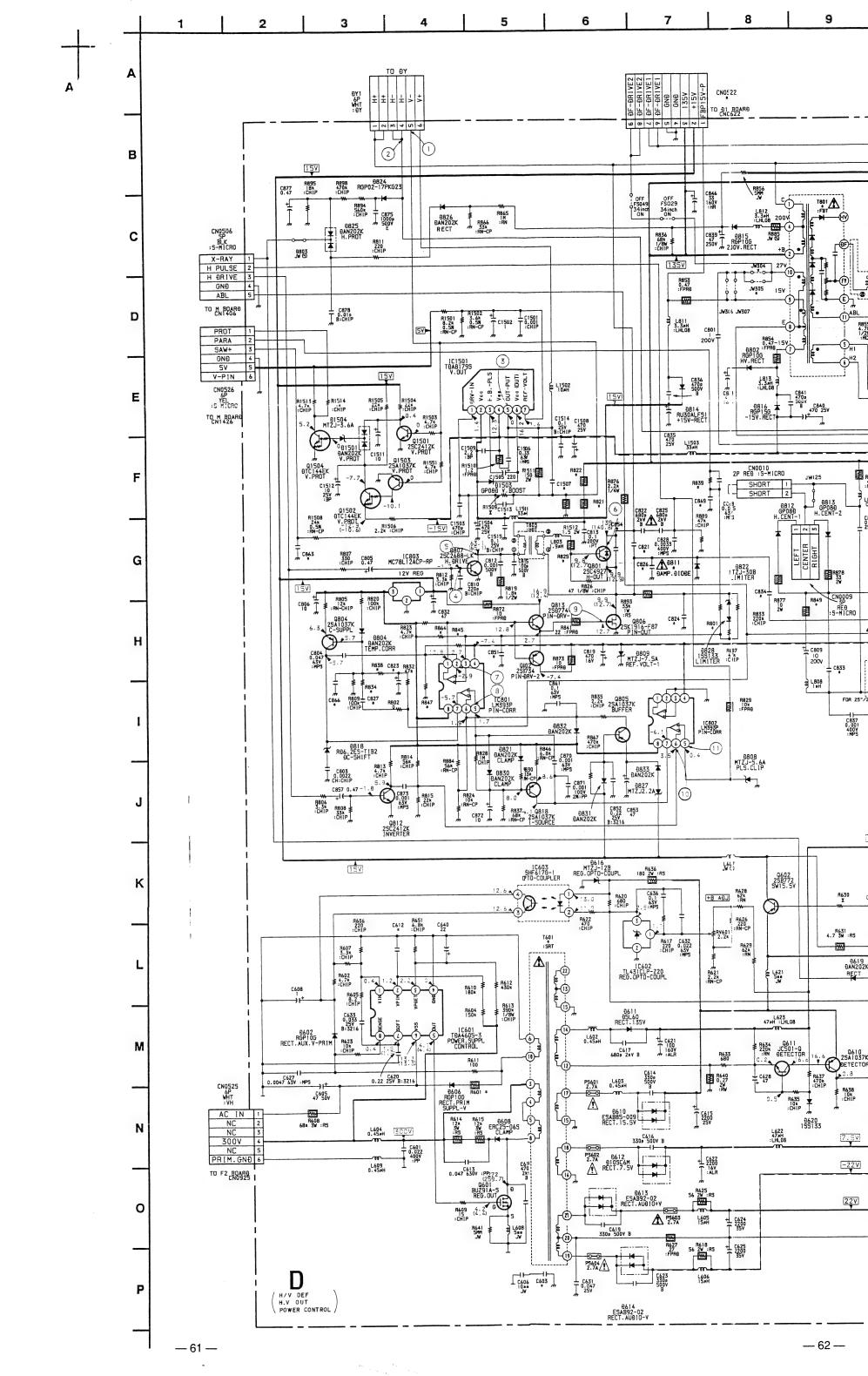
— D Board —

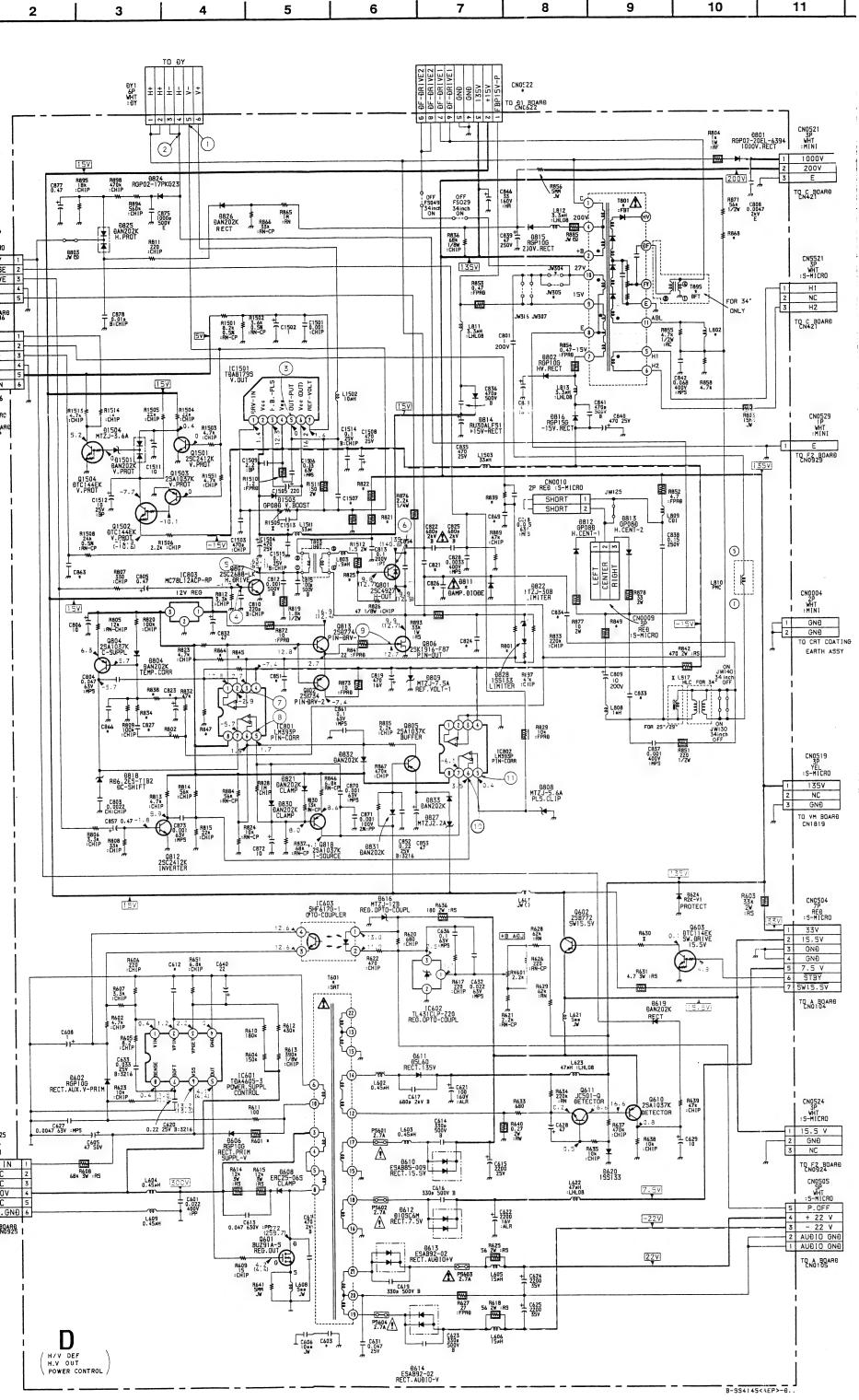


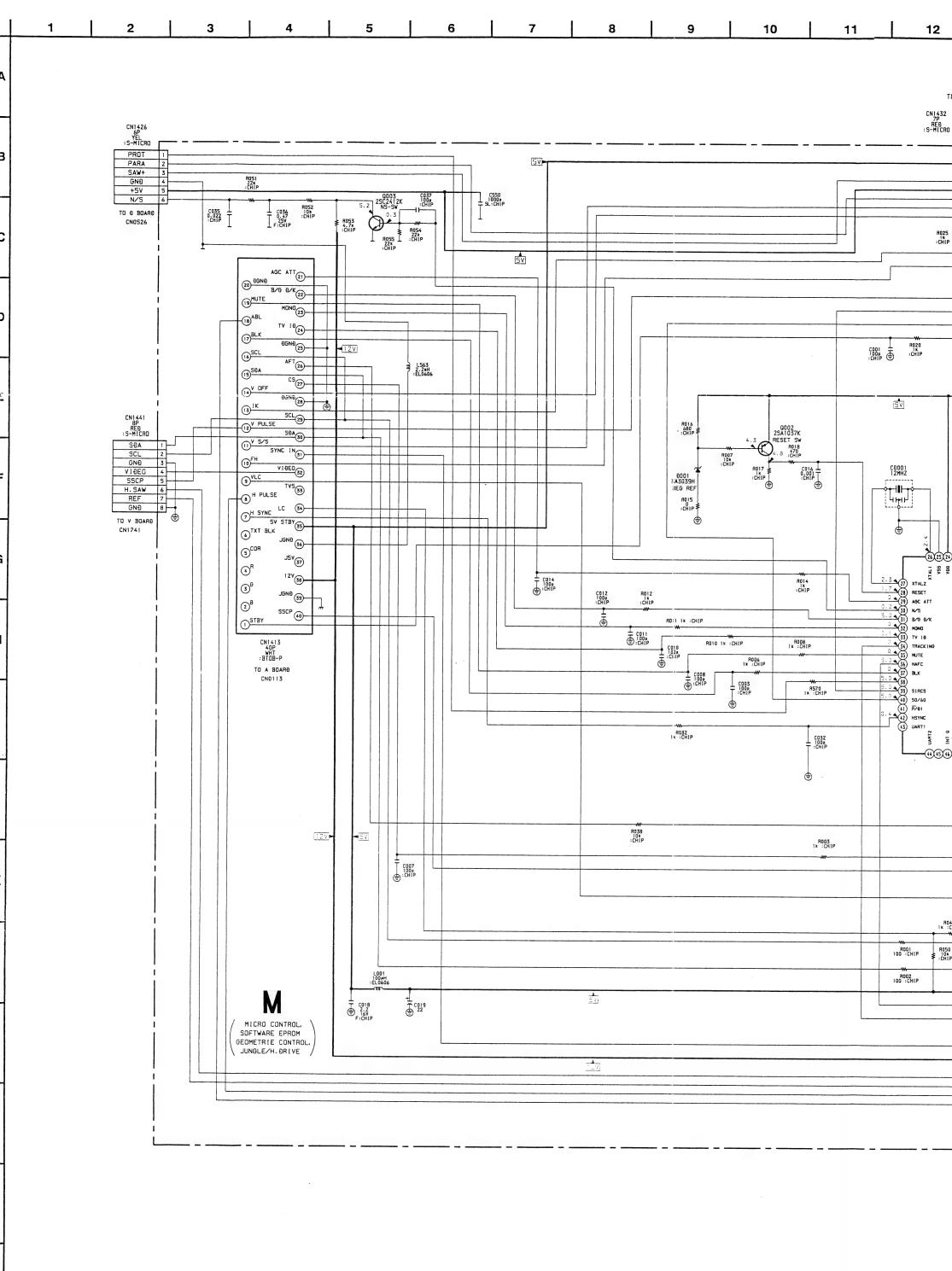


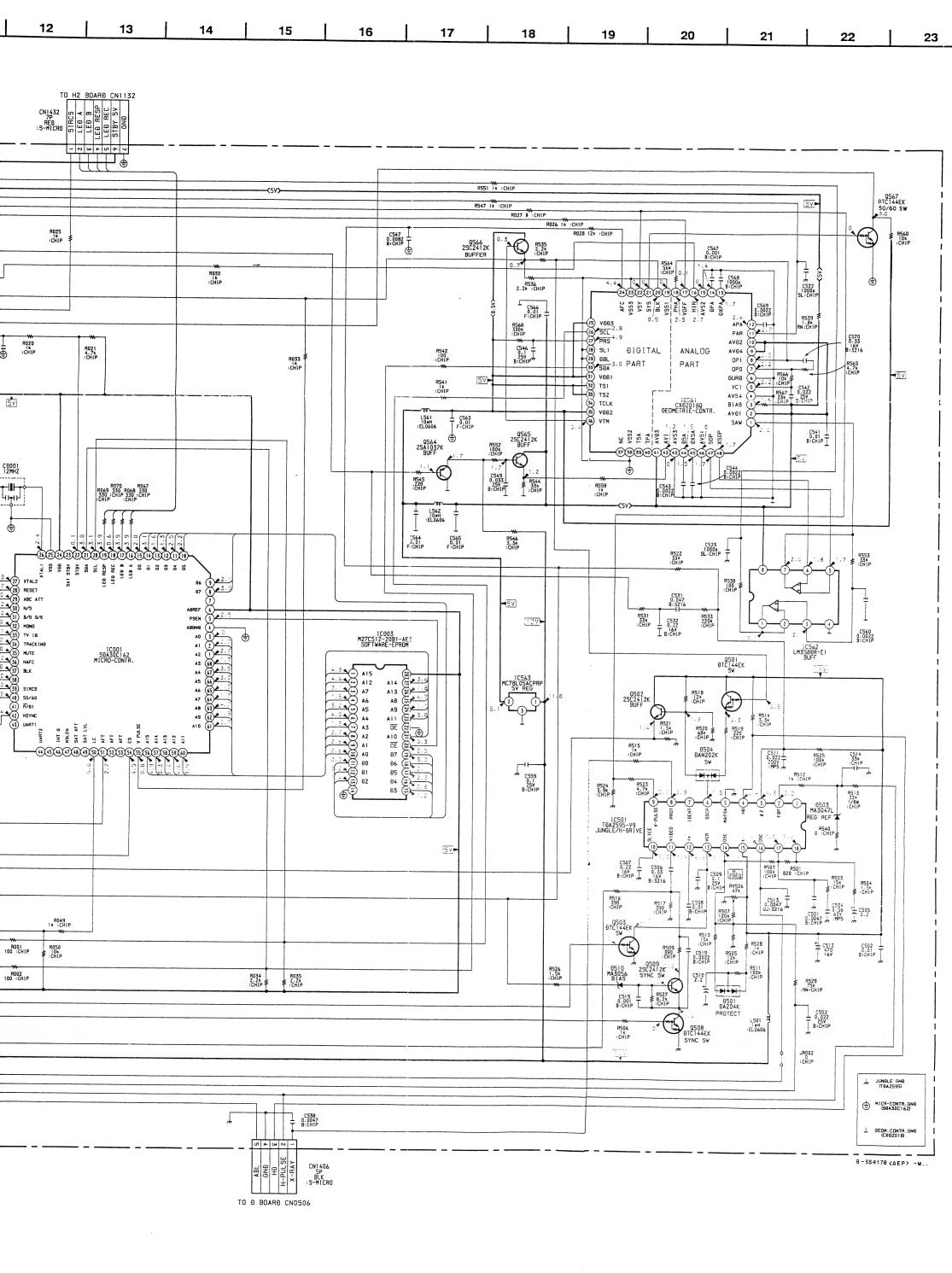


3 —



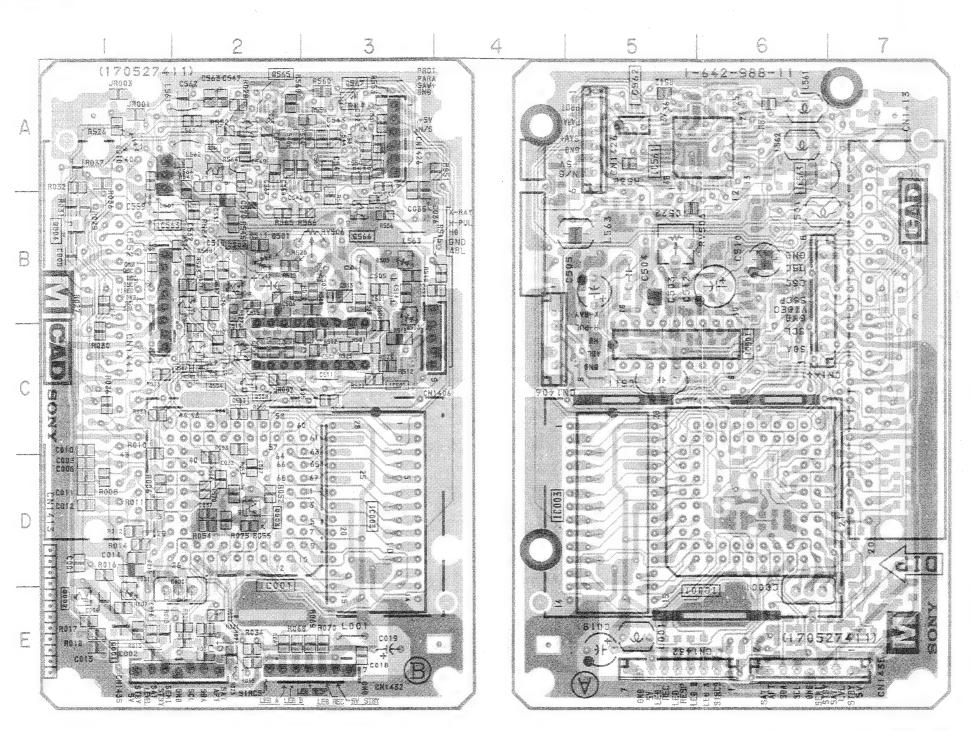








— M Board —

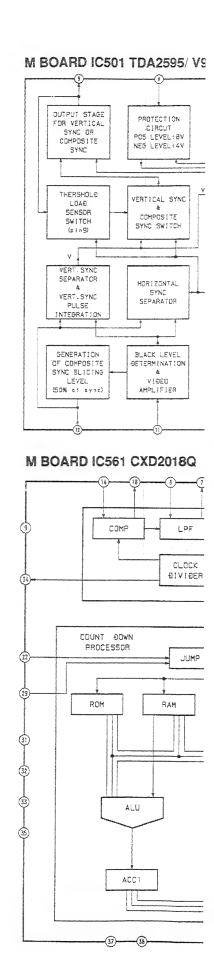


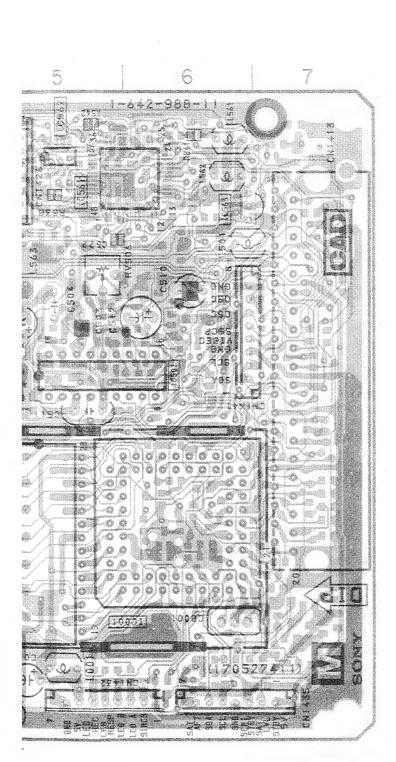
- M Board -

IC					
IC001 : D-2					
IC003 D-3					
IC501 : C-3					
IC561 A-6					
IC562 A-5					
IC563 B-1					
TRANSISTOR					
Q002 E-1					
Q003 D-2					
Q501 C-2					
Q502 B-2					
Q503 C-2					
Q508 C-2					
Q509 B-2					
Q564 A-2					
Q565 A-2					
Q566 B-3					
O567 A-3					
DIODE					
D001 E-1					
D501 B-2					
D503 B-3					
D504 C-2					
D505 B-3					
D510 A-1					
VARIABLE					
RESISTOR					
RV506 B-3					

Pattern from the side which enables seeing.

Pattern of the rear side.

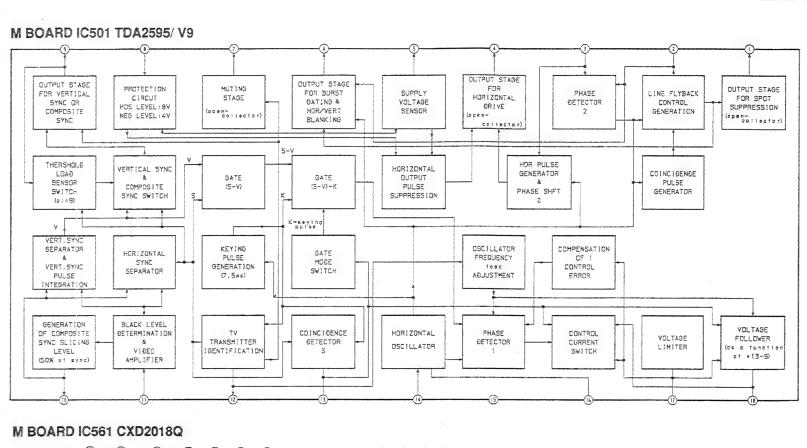


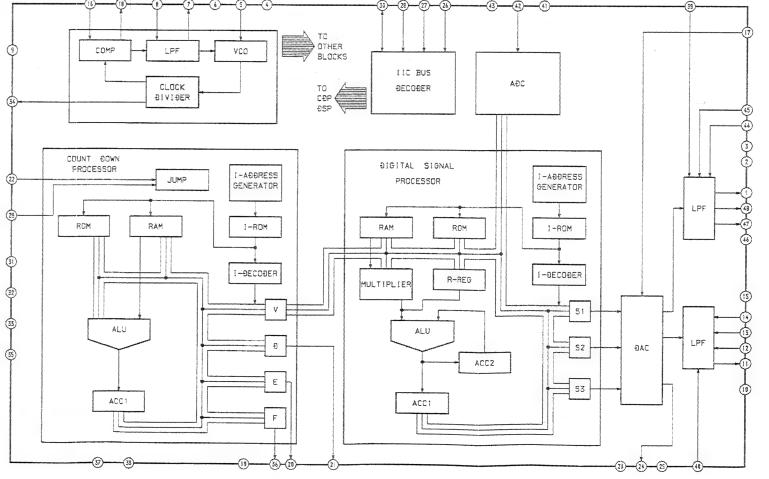


- M Board -

	
	C
IC001	D-2
IC003	D-3
IC501	C-3
IC561	A-6
IC562	A-5
IC563	B-1
TRANS	SISTOR
Q002	E-1
Q003	D-2
Q501	C-2
Q502	B-2
	C-2
Q508	C-2
Q509	B-2
Q564	A-2
Q565	A-2
Q566	B-3
Q567	A-3
DIC	DE
D001	E-1
D501	B-2
D503	B-3
D504	C-2
D505	B-3
D510	A-1
VARIABLI	E
	RESISTOR
RV506	B-3

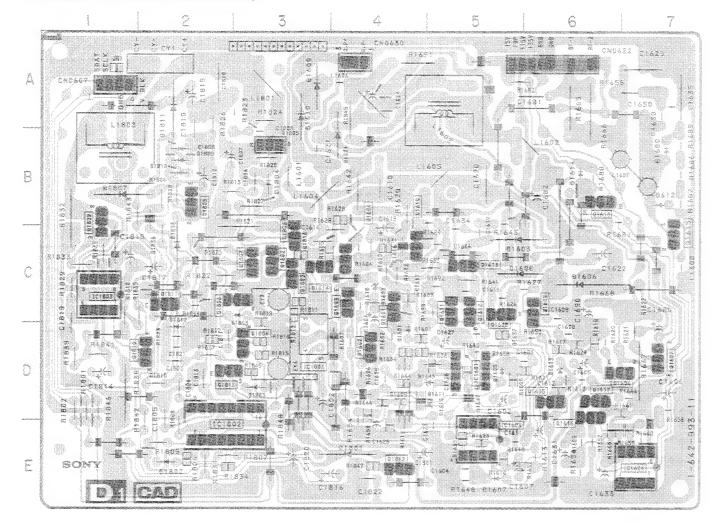
- Pattern from the side which enables seeing.
- Pattern of the rear side.





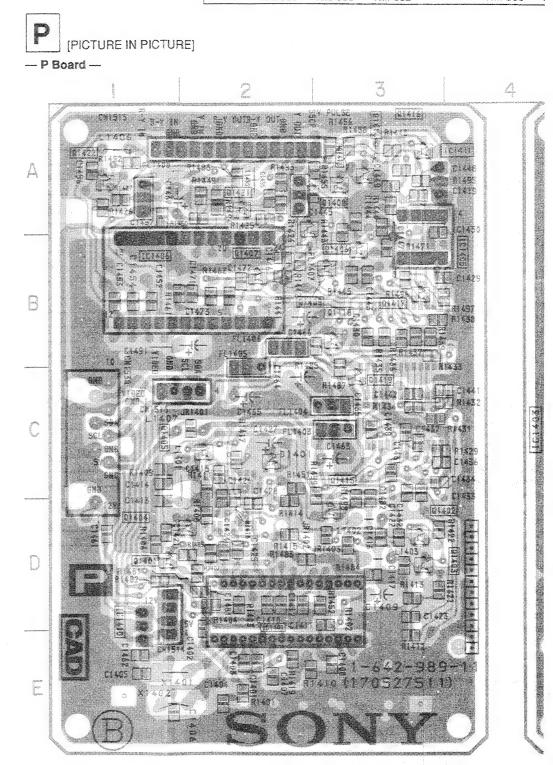
D1 [CONVERGENCE]

- D1 Board - (KV-E3431D, E3431B ONLY)



— D1 Board — (KV-E3431D, E3431B ONLY)

(VA-E2421)	U, E343 ID (
	C
	E-5
	D-3
IC1802	E-2
IC1803	C-1
TRANS	SISTOR
1 /	C-4
Q1613	C-5
Q1802	C-3
Q1803	C-3
	D-3
Q1805	C-3
Q1806	C-3
Q1807	C-3
Q1808	B-2
	B-1
Q1810	D-2
Q1811	C-2
Q1812	E-4
Q1813	D-2
DIC	DE
D1603	C-5
D1801	E-4
D1802	E-2
D1803	D-3
D1804	B-3
	B-3
D1806	C-2
D1807	B-1
D1808	B-2
D1809	
D1810	B-2
D1811	A-2
	D-2

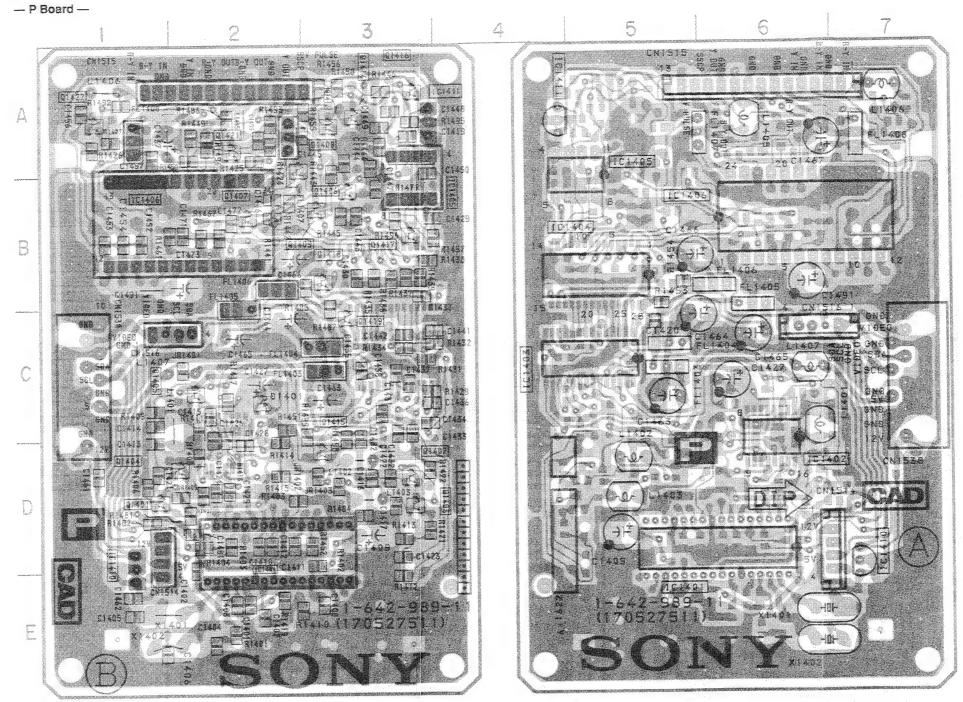


— D1 Board — (KV-E3431D, E3431B ONLY)

IC	
IC1603	E-5
IC1801	D-3
IC1802	E-2
IC1803	C-1
TRANS	ISTOR
Q1610	C-4
Q1613	C-5
Q1802	C-3
Q1803	C-3
Q1804	D-3
Q1805	C-3
Q1806	C-3
Q1807	C-3
Q1808	B-2
Q1809	B-1
Q1810	D-2
Q1811	C-2
Q1812	= 1
Q1813	D-2
DIC	
D1603	
D1801	E-4
D1802	E-2
D1803	D-3
D1804	
D1805	
D1806	C-2
D1807	B-1
D1808	B-2
D1809	B-2
D1810	B-2
	A-2
8	

D1812 D-2

P [PICTURE IN PICTURE]

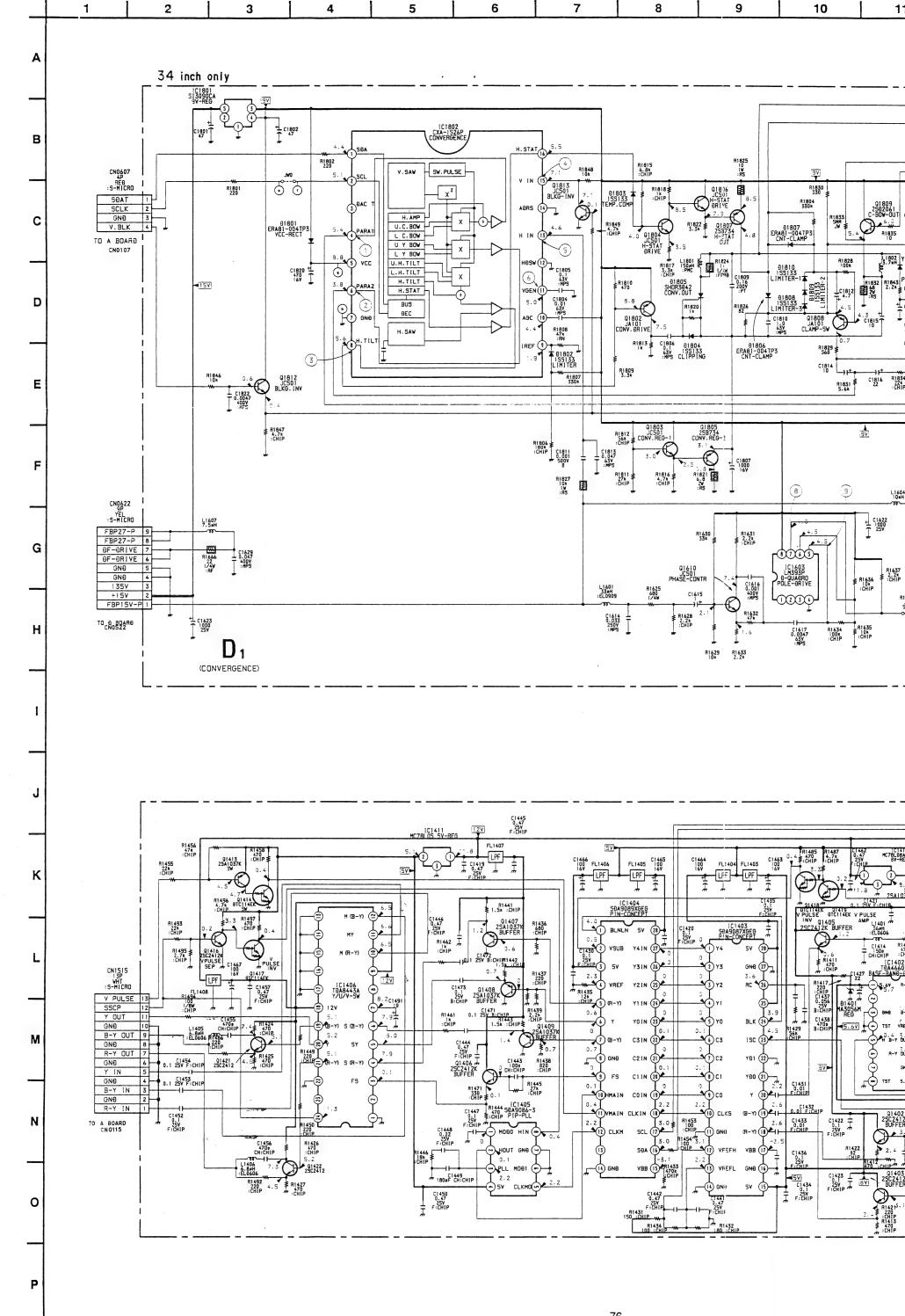


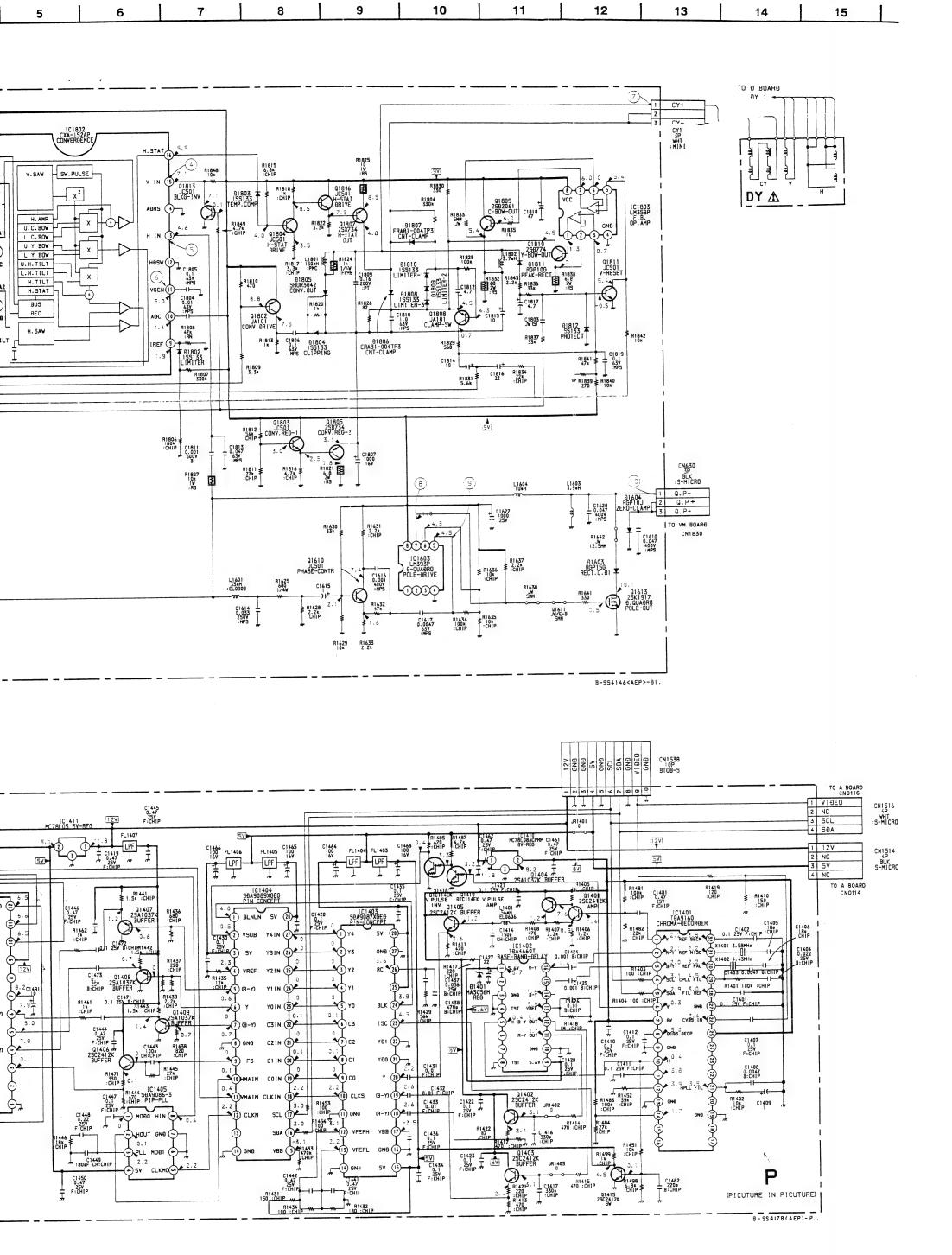
-- P Board --

IC					
IC1401	D-2				
IC1402	D-6				
IC1403	C-5				
IC1404					
IC1405	B-3				
IC1406	B-2				
IC1410	D-1				
IC1411	ΔΔ				
TRANS	ISTOR				
Q1401	D-1				
Q1402	D-3				
Q1403	D-3				
	D-2				
Q1405	C-2				
Q1406	B-3				
Q1407	B-2				
1 01408 I	A-2				
Q1409	B-3				
I Q1413	A-3				
	A-3				
- W1415	D-3				
Q1416	A-3				
Q1417	B-3				
Q1418	B-3				
Q1413	C-3				
	A-2				
Q1422	A-1				
DIC	DE				
D1401	C-2				

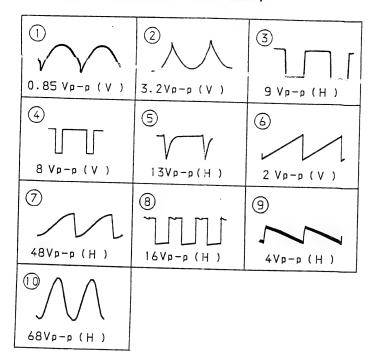
[•] Pattern from the side which enables seeing.

^{• :} Pattern of the rear side.

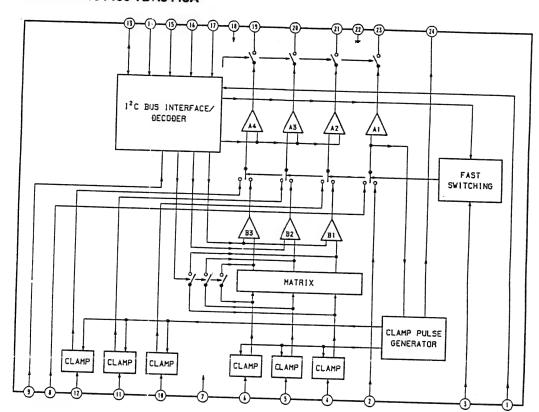




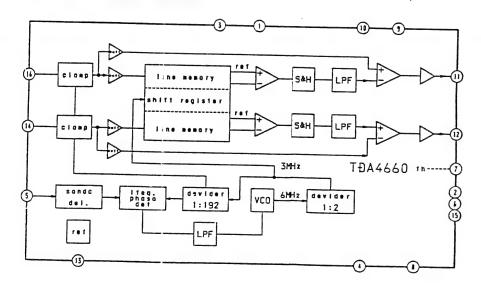
— D1 Board — (KV-E3431D, E3431B ONLY)

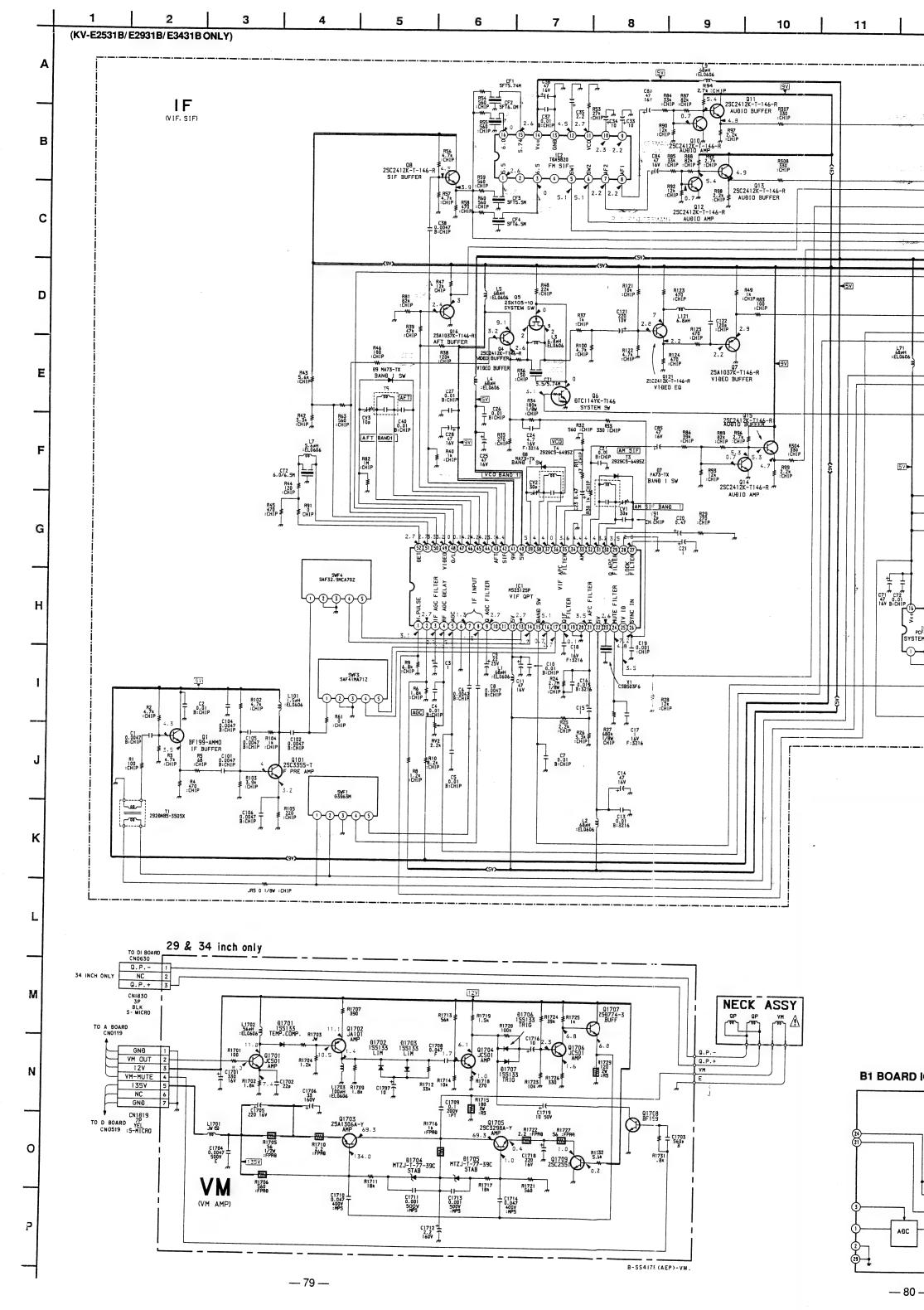


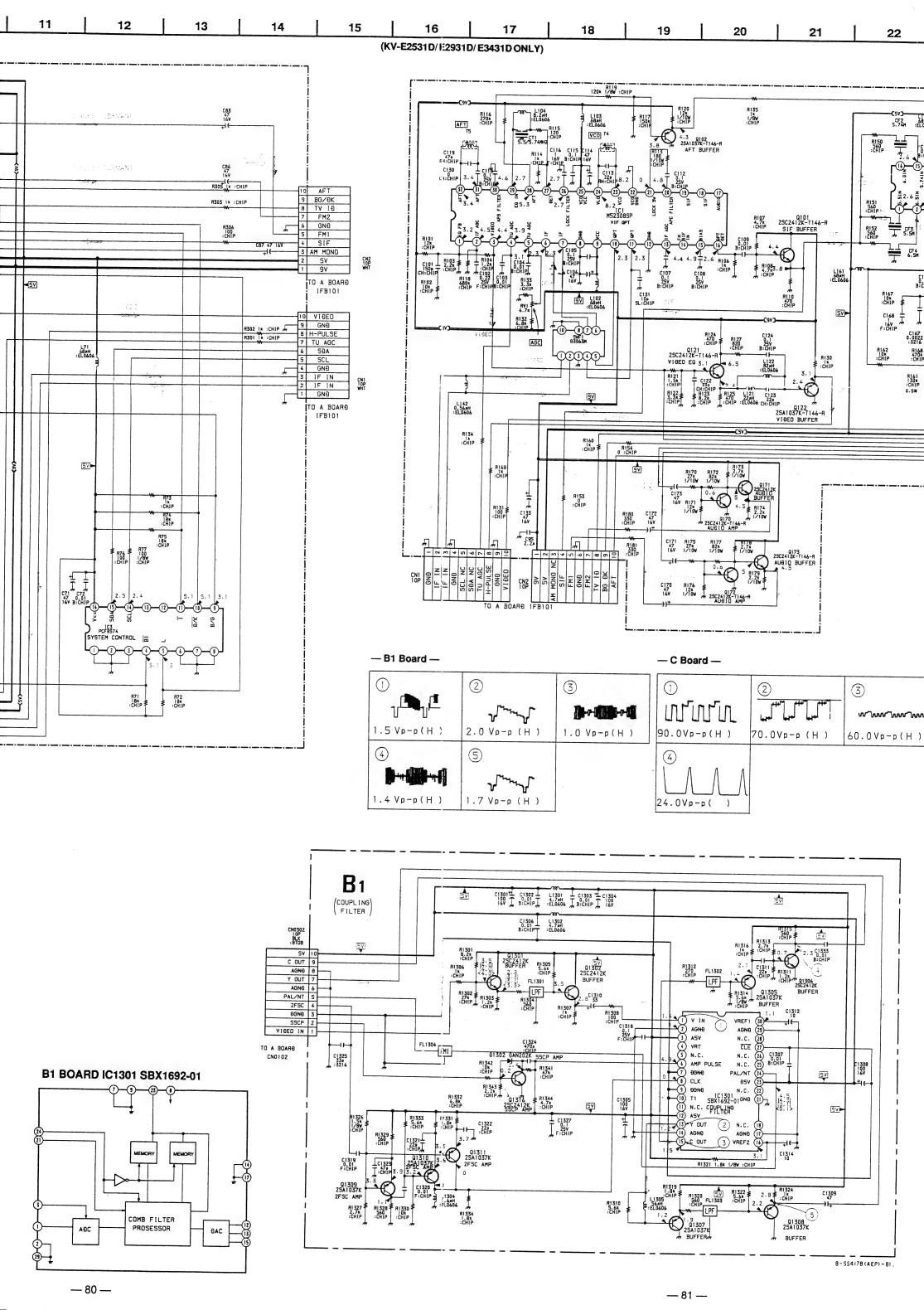
P BOARD IC1406 TDA8443A

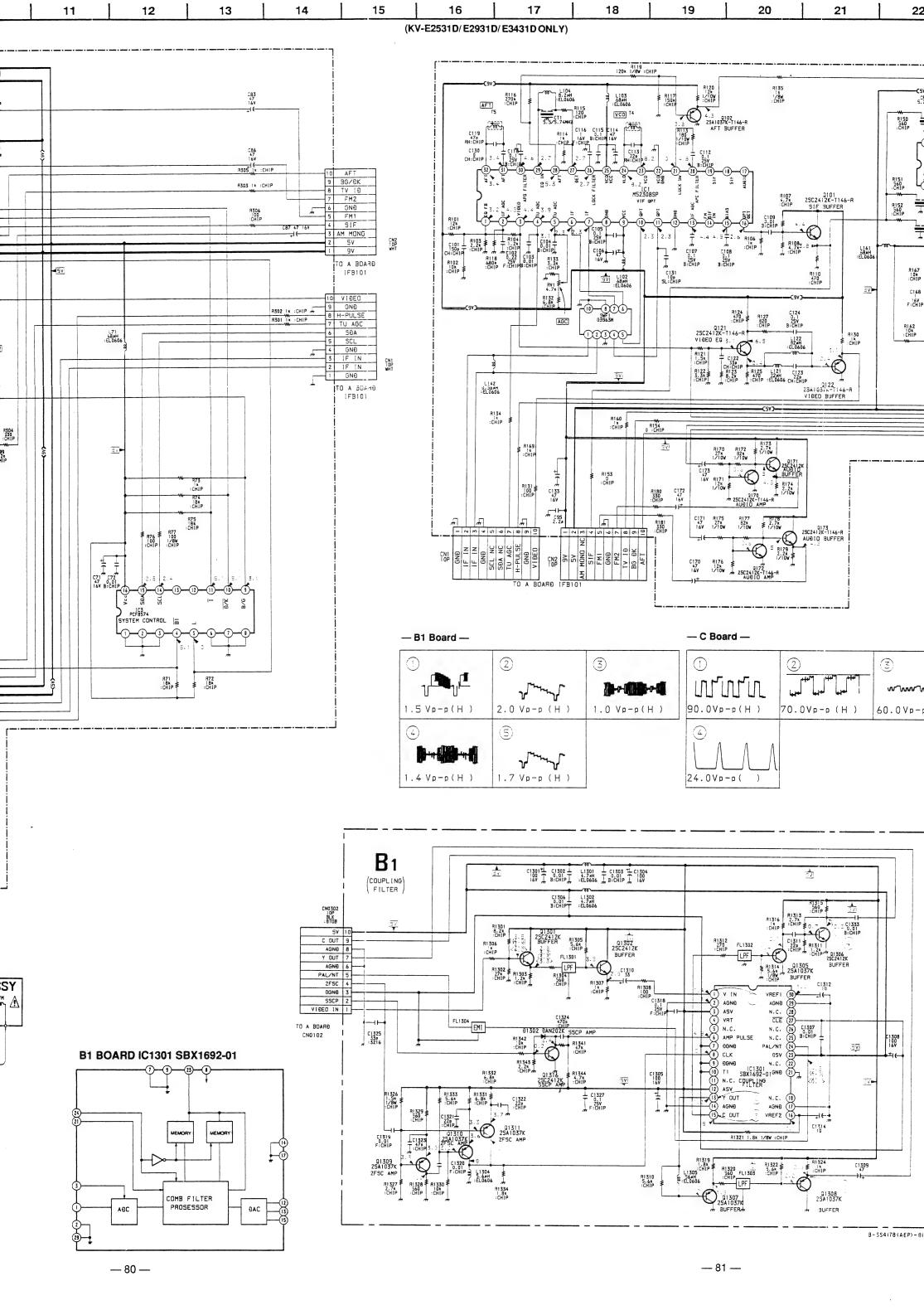


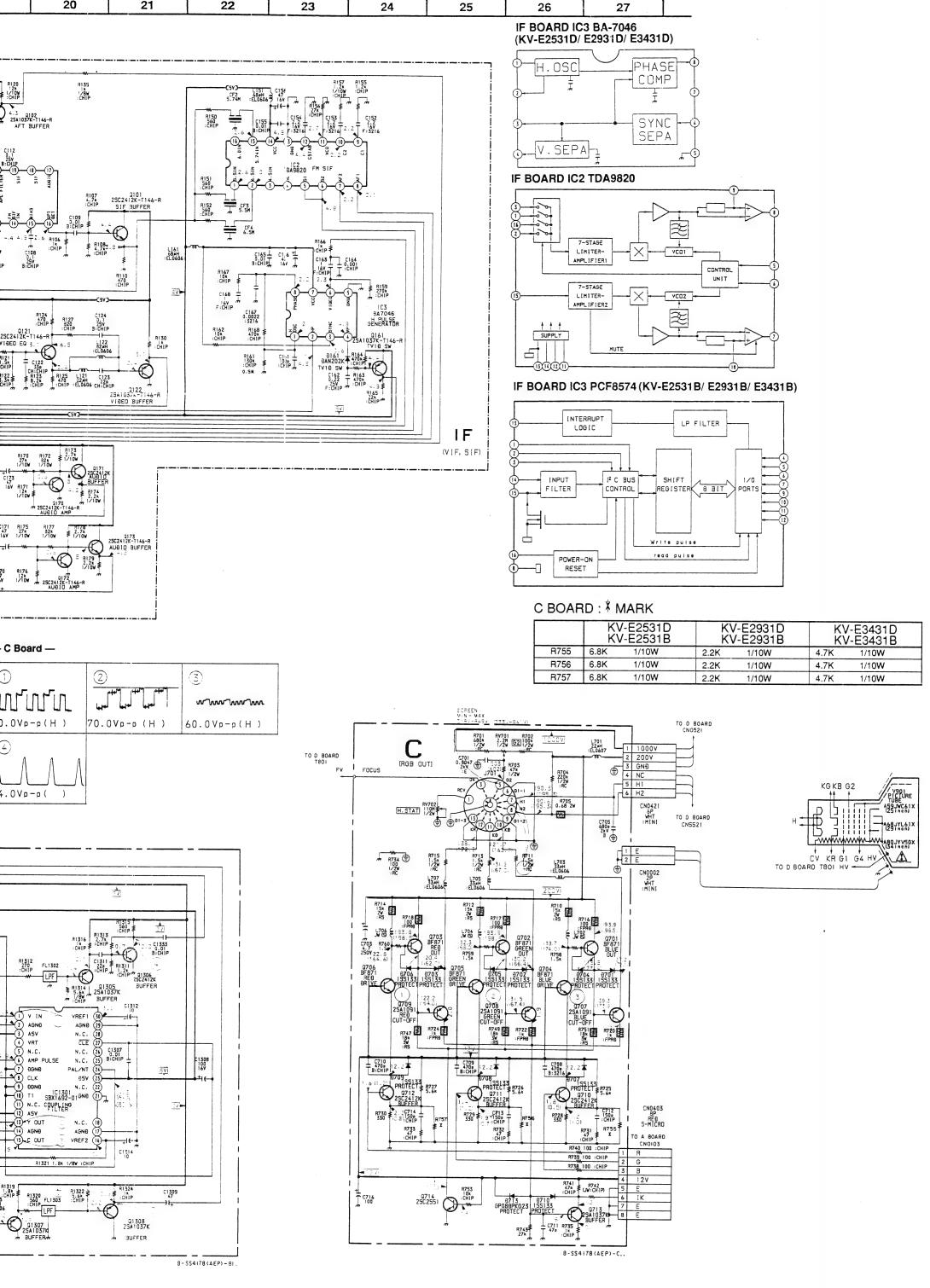
P BOARD IC1402 TDA4660





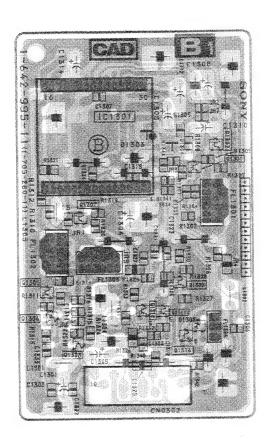






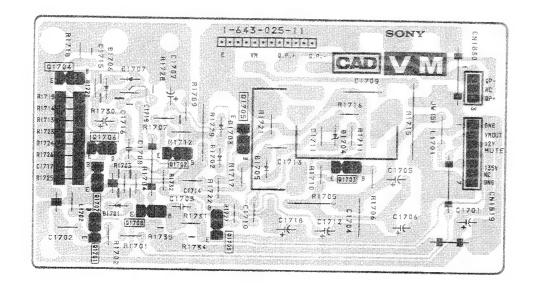


-B1 Board -



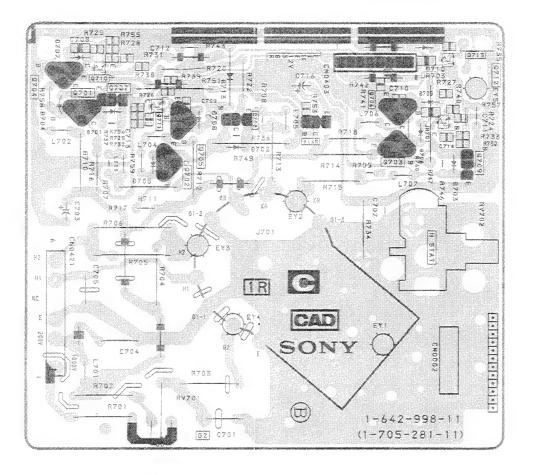
- Pattern from the side which enables seeing.
- Pattern of the rear side.

--- VM Board -- (KV-E2931D/ E3431D, E2931B/ E3431B ONLY)



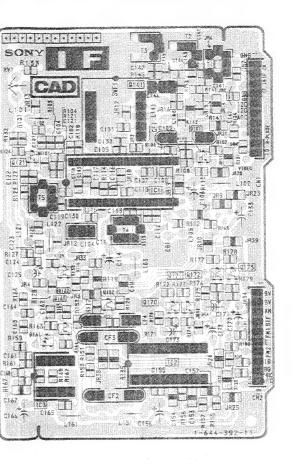


- C Board -



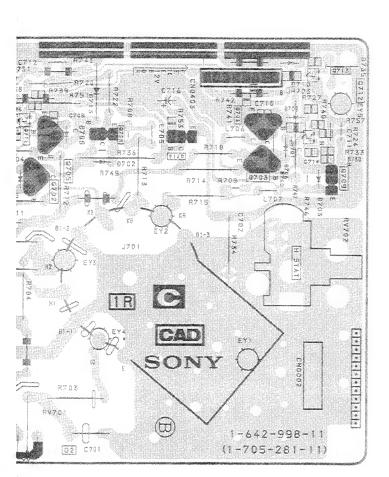


—IF Board — (KV-E2531 D/E2931 D/E3431 D ONLY)

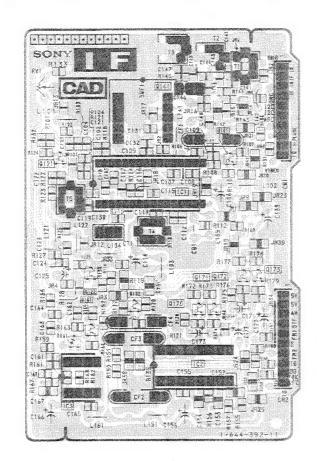


-IFBo

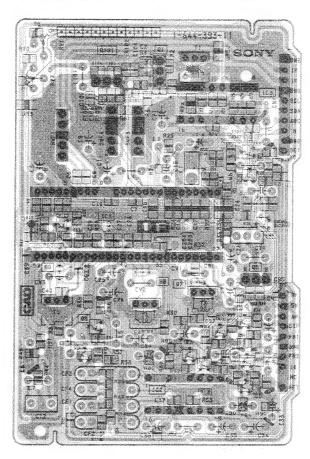




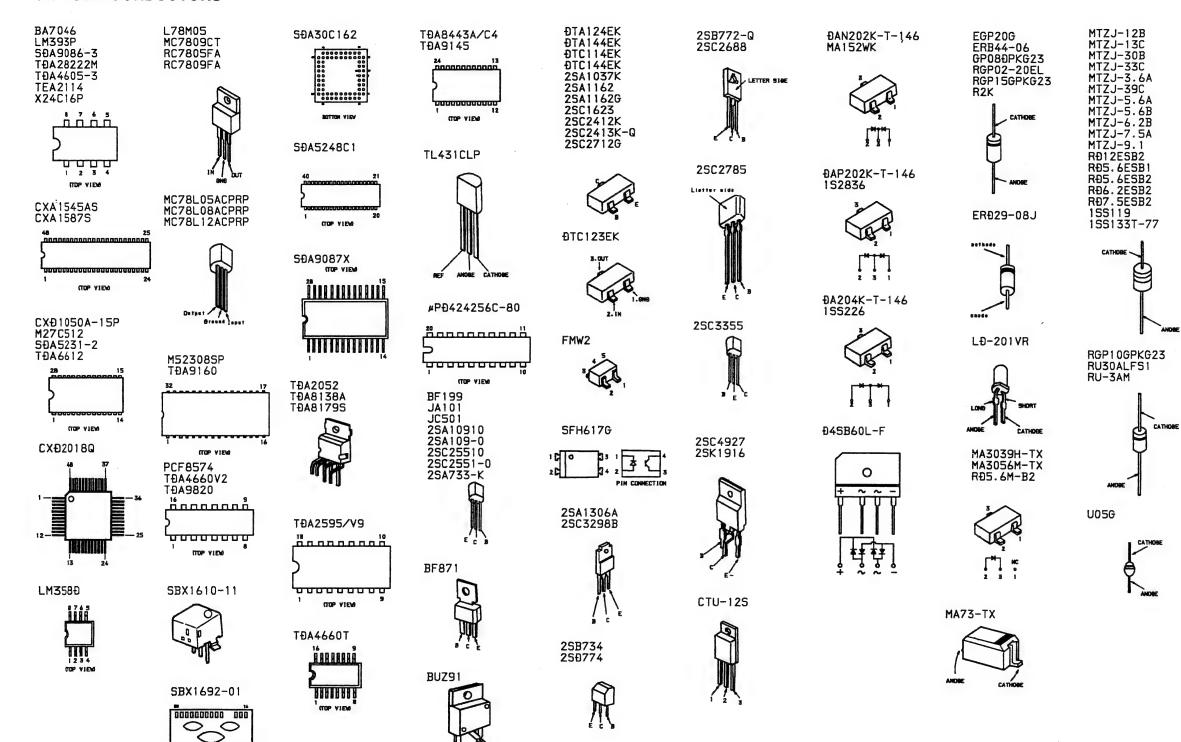




—IF Board — (KV-E2531B/E2931B/E3431B ONLY)



5-5. SEMICONDUCTORS



NOTE:

 Items with not stocke routine se
 The coast

 The const indicated column.

6-1. CHA

BVTP4>

REF.NO. PART

1 *1-64: 2 *1-64: 3 4-20 4 <u>A.</u> 1-57 5 *A-16: 4-03: 7 <u>A.</u> 4-38: 8 <u>A.</u> 1-59:

<u>A</u>.1-590 9 *****A-16:

9 ≠A-16, 10 ≠A-16, ≠A-16,

25B772-Q 25C2688 LETTER SINE

ĐAN202K-T-146 MA152WK

2SC2785 ĐAP202K-T-146 1S2836



ĐA204K-T-146 155226



25C4927 25K1916



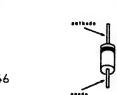
CTU-125





Ð45B60L-F

0



LÐ-201VR

ERÐ29-08J

EGP20G

ERB44-06

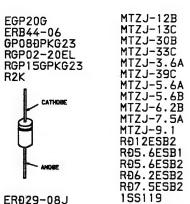


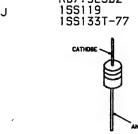
MA3039H-TX MA3056M-TX RÐ5.6M-B2



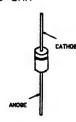


GP08DPKG23





RGP10GPKG23 RU30ALFS1 RU-3AM



U05G



EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these

The components identified by shading and mark A are critical for safety.

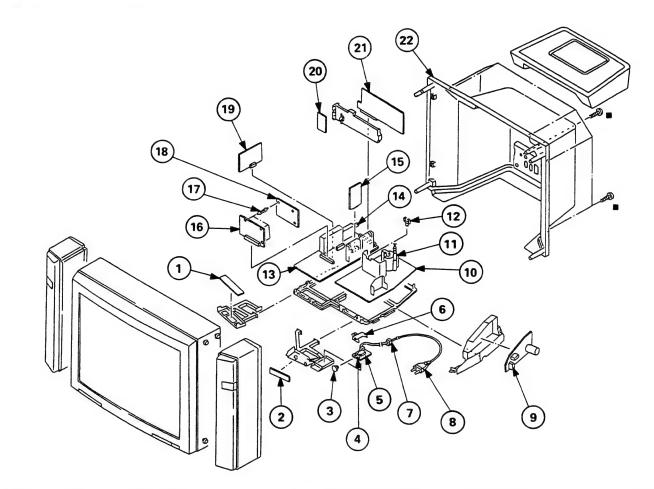
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite.

Ne les remplacer que par une piece portant le numero specifie.

6-1. CHASSIS (KV-E2531D/ E2531B/ E2931D/ E2931B)

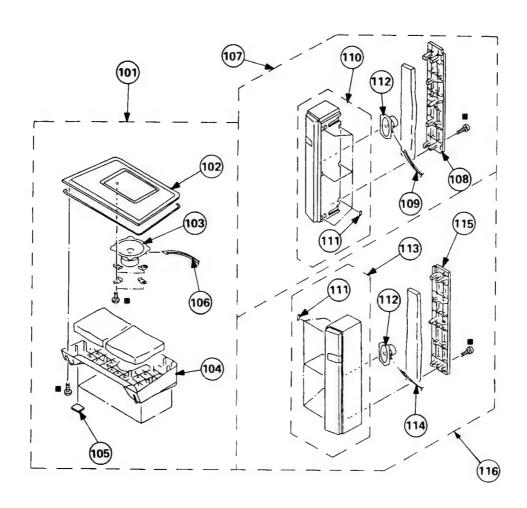
BVTP4x16 7-685-663-79



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK
1 *1-643-004-11 2 *1-642-997-11 3 4-201-011-01 4		, E2931D) 31D)	14	A BOARD, COMPLETE (KV-E2531D, E TUNER (UV916H)	22931B) 22931D)

6-3. SPEAKER (KV-E2531D/ E2531B/ E2931D/ E2931B)

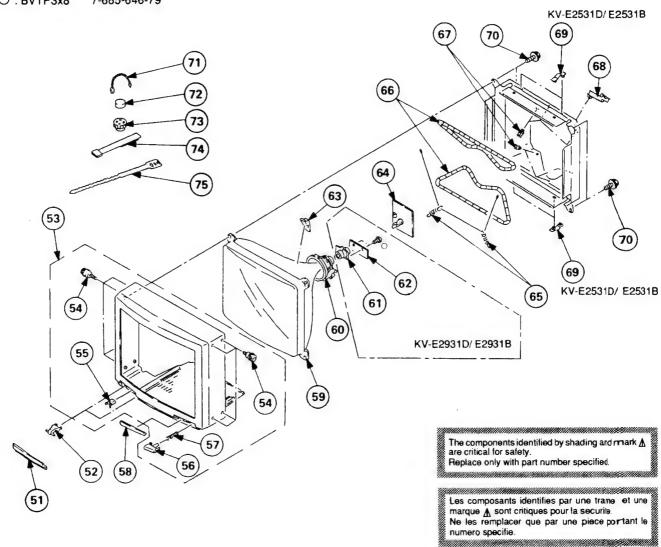
BVTP4x16 7-685-663-79



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION REMARK	K
108 109 110	A-1678-043-A X-4200-004-3 1-544-767-11 4-200-027-11 4-200-009-01 1-696-409-11 A-1678-041-A A-1678-041-A 4-036-628-01 4-036-654-01 1-696-406-11 X-4030-427-1	BOX ASSY, WOOFER BOARD ASSY, BAFFLE SPEAKER (13CM) BOX, WOOFER CUSHION, FOOT CABLE, SPEAKER (WITH GROMMET) BOX COMPLETE ASSY (L) BOX COMPLETE ASSY (L) (KV-E2531B, E21 PANEL (LEFT), REAR (KV-E2531B, E21 PANEL (LEFT), REAR (KV-E2931B, E25 CABLE, SPEAKER (WITH GROMMET) BOX (LEFT) ASSY, SIDE ROY (LEFT) ASSY, SIDE	108-112 (E2931D) 531D) 931D)	112 113 114 115 116	4-200-006-01 1-504-151-11 X-4030-414-1 X-4030-426-1 1-696-407-11 4-036-626-01 4-036-644-01 A-1678-047-A	CUSHION, FOOT SPEAKER (7.5X13CM) BOX (RIGHT) ASSY, SIDE (KV-E2531B, E25311) (KV-E2931B, E25311) CABLE, SPEAKER (WITH GROMMET) PANEL (RIGHT), REAR (KV-E2531B, E2531D) BOX COMPLETE ASSY (R) (KV-E2531B, E23311) (KV-E2531B, E23311) (KV-E2931B, E23311)	D) 15 D) 15
	421 I	BOX (LEFT) ASSY, SIDE (KV-E2931B.	E2931D)				

6-2. PICTURE TUBE (KV-E2531D/ E2531B/ E2931D/ E2931B)

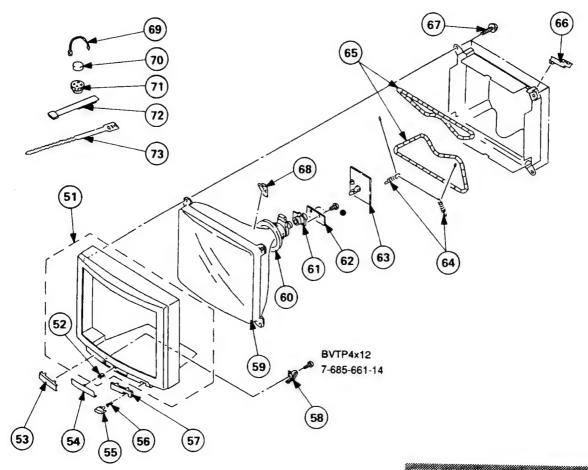




REF.NO	D. PART NO.	DESCRIPTION REMARK	REF.NO. PART NO.	DESCRIPTION REMARK
51	X-4201-006-8 Y-4200-001-9	DOOR ASSY, CONTROL (KV-E2531B,E2531D) LID ASSY, CONTROL (KV-E2931B,E2931D)		NECK ASSY, PICTURE TUBE (NA-308) (KV-E2931B, E2931D)
5 2	3-703-035-11	SHAFT, LID		VM BOARD, COMPLETE (KV-E2931B,E2931D)
53	X-4030-417-1	CABINET ASSY (WITH BEZEL ASSY) 54~57	63 3-704-495-01	
	X-4030-411-1	(KV-E2531B,E2531D) CABINET ASSY (WITH BEZEL ASSY) 54~57 (KV-E2931B,E2931D)	*A-1638-025-A	SPRING, GROUND WIRE (KY-E25311, E 2531D)
54	X-4374-104-1	SCREW (B) ASSY, ORNAMENTAL	4-369-318-31	SPRING, TENSION (KV-E2931B, E2931 D)
55	4-392-036-01	CATCHER, PUSH	66 1-402-746-21	COLL, DEGAUSSING (KV-E2531B, E253 1D)
56 57	4-200-013-01	BUTTON, POWER	Δ 1-402-747-21 67 4-034-296-01	COIL, DEGAUSSING (KV-E2931B, E293 1D) HOLDER, DGC
57 58	4-329-112-21 4-200-017-31	SPRING WINDOW, ORNAMENTAL	68 *4-387-284-01	HOLDER, LEAD
	A.8-733-231-05		69 *4-385-916-01	HOLDER (D) (KV-E2531B, E2531D)
3)	W.0 172 CC1	(KV-E2531B, E2531D)		SCREW (M), PT
	<u></u> .8-733-831-05	PICTURE TUBE (A68JYL61X)	71 4-308-870-00	CLIP, LEAD WIRE
60	₾ 1-451-311-21	(KV-E2931B,E2931D) DEFLECTION YOKE (Y25FXA) (KV-E2531B,E2531D)	73 1-452-094-00	MAGNET, DISK; 10MM Ø MAGNET, ROTATABLE DISK; 15MM Ø PERMALLOY ASSY, CORRECTION
	▲ 1-451-313-21	DEFLECTION YOKE (Y29FXA) (KV-E2931B, E2931D)	75 3-701-007-00	BAND, BINDING

6-5. PICTURE TUBE (KV-E3431D/ E3431B)

●: BVTP3x12 7-685-648-79



The components identified by shading and mark A are critical for safety.

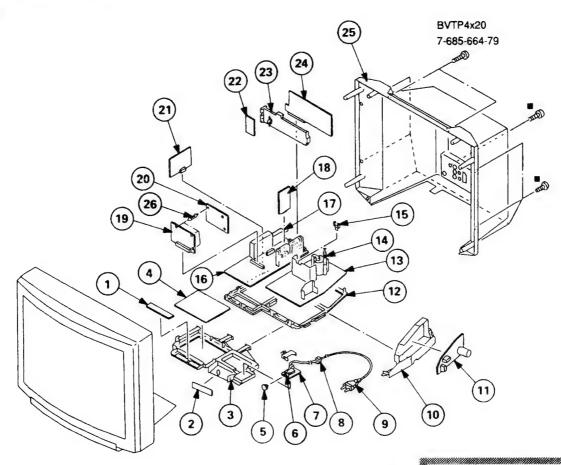
Replace only with part number specified.

Les composants identifies par une trame et un e marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

					The state of the s
REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO. PART NO.	DESCRIPTION	REM ARK
60 A. 1-451-315-11 61 A. 1-452-579-11	CABINET ASSY (WITH BEZEL ASSY) CATCHER, PUSH PLATE, ORNAMENTAL DOOR BUTTON, POWER SPRING WINDOW, ORNAMENTAL DAMPER ASSY PICTURE TUBE (A80JYV50X) DEFLECTION YOKE (Y34FXA) NECK ASSY, PICTURE TUBE (NA322) VM BOARD, COMPLETE	52	63 *A-1638-026-A 64 *4-376-036-01 65 \Delta.1-402-748-11 66 *4-387-284-01 67 4-200-976-01 68 3-704-495-01 69 4-308-870-00 70 1-452-032-00 71 1-452-094-00 72 X-4306-312-0 73 3-701-007-00	C BOARD, COMPLETE SPRING, TENSION COIL, DEGAUSSING HOLDER, LEAD SCREW, PT SPACER, DY CLIP, LEAD WIRE MAGNET, DISK: 10MM MAGNET, ROTATABLE DISK; 15I PERMALLOY ASSY, CONVERGENCE BAND, BINDING	(M

6-4. CHASSIS (KV-E3431D/ E3431B)

III: BVTP4x16 7-685-663-79



The components identified by shading and mark \(\frac{1}{2} \)
are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une

marque $\underline{\Lambda}$ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.	DESCRIPTION REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK
1 *1-643-004-11 2 *1-642-997-11 3 *4-202-171-01 4 *A-1640-083-A 5 4-386-611-01 6 \(\hat{A}\).1-571-433-12 7 *A-1241-086-A 8 \(\hat{A}\).4-389-201-03 9 \(\hat{A}\).1-590-501-11 10 *4-202-140-01 11 *A-1624-012-A 12 *4-202-141-01 13 *A-1642-083-A	HI BOARD H2 BOARD BRACKET, H D1 BOARD, COMPLETE COVER, SWITCH SWITCH, PUSH (AC POWER) F1 BOARD, COMPLETE HOLDER, AC CORD CORD, POWER (WITH CONNECTOR) (KY-E3431D CORD, POWER (WITH NOISE FILTER) (KY-E3431D BRACKET, F F2 BUARD, COMPLETE BRACKET, MAIN D BOARD, COMPLETE	*A-1297-008-A 17	HOLDER, WIRE A BOARD, COMPLETE A BOARD, COMPLETE TUMER (UV916H) BI BOARD, COMPLETE M BOARD, COMPLETE V BOARD, COMPLETE V BOARD, COMPLETE K BOARD	(KV-E3431B)



SECTION 7 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifies par une trame et une marque \(\triangle \) sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS MF: μF, PF: μμF COILS MMH: mH, UH: µH

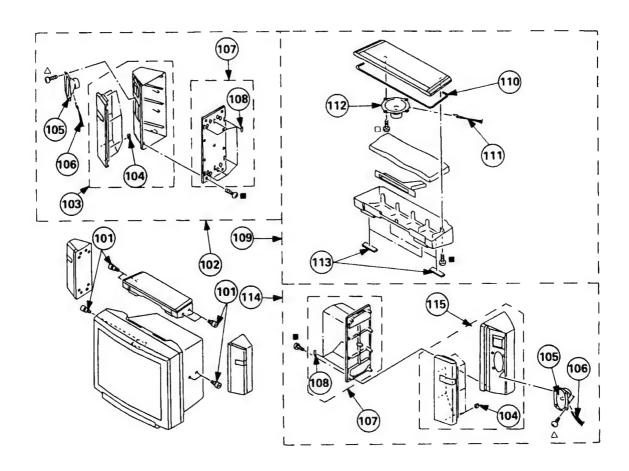
RESISTORS

All resistors are in ohms
F: nonflammable

	. PART NO.		RE	EMARK	REF.NO.	PART NO.	DESCRIPTION	N -		REMARK
	*A-1620-036-A				1					
	*A~1131-037-A	B1 BOARD, COMPLETE **********************************	D, E2931B, E2 3431B, E3431	2931D) [D)	L1301 L1302 L1304 L1305	1-408-405-00 1-408-405-00 1-408-406-00 1-408-418-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	4.7UH 4.7UH 5.6UH 56UH		
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td><tra< td=""><td>NSISTOR></td><td></td><td></td><td></td></tra<></td></cap<>	ACITOR>				<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td></tra<>	NSISTOR>			
C1301 C1302 C1303 C1304 C1305	1-124-478-11 1-164-232-11 1-164-232-11 1-124-478-11 1-124-478-11	ELECT 100MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF BLECT 100MF ELECT 100MF	20% 25V 10% 50V 10% 50V 20% 25V 20% 25V		Q1301 Q1302 Q1305 Q1306 Q1307	<pre></pre>	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC1623-L5 2SC1623-L5 2SA1162-G 2SC1623-L5 2SA1162-G	516 516 516	
C1306 C1307 C1308 C1309 C1310	1-164-232-11 1-164-232-11 1-124-478-11 1-124-910-11 1-124-917-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 100MF ELECT 47MF ELECT 33MF	10% 50V 20% 25V 20% 50V 20% 50V		Q1308 Q1309 Q1310 Q1311 Q1316	8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SA1162-G SA1162-G SA1162-G SA1162-G	316	
C1311 C1312	1-163-101-00 1-124-907-11	CERAMIC CHIP 22PF ELECT 10MF	5% 50V 20% 50V						iL0	
C1314 C1318	1-124-907-11 1-163-038-00	CERAMIC CHIP 22PF ELECT 10MF ELECT 10MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF	20% 50V 25V 50V			<res< td=""><td>ISTOR></td><td></td><td></td><td></td></res<>	ISTOR>			
C1319 C1320 C1321 C1322 C1323	1-163-031-11 1-163-031-11 1-163-101-00 1-163-101-00	CERAMIC CHIP 0.01MF CERAMIC CHIP 22PF CERAMIC CHIP 22PF CERAMIC CHIP 47PF CERAMIC CHIP 470PF CERAMIC CHIP 33PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF	50V 50V 5% 50V 5% 50V 5% 50V	3	JR1 JR2 JR3 JR4 JR5	<pre></pre>	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5 0 5 0 5 0 5	7 1/10W 7 1/10W 7 1/10W 7 1/8W 7 1/8W	
C1324	1-163-133-00	CERAMIC CHIP 470PF	5% 50v		JR6 JR7	1-216-295-00 1-216-295-00 1-216-071-00	METAL GLAZE	0 5	7 1/10W 7 1/10W	
C1325 C1327 C1333	1-163-169-00 1-163-038-00 1-164-232-11	CERAMIC CHIP 33PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF	5% 50V 25V 10% 50V		R1302	1-216-083-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5 0 5 8.2K 5 27K 5 1.2K 5	1/10W 1/10W 1/10W	
	<cun.< td=""><td>NECTOR></td><td></td><td></td><td>R1304 R1305</td><td>1-216-043-00 1-216-067-00</td><td>METAL GLAZE METAL GLAZE</td><td>560 5 5.6K 5</td><td>% 1/10W % 1/10W</td><td></td></cun.<>	NECTOR>			R1304 R1305	1-216-043-00 1-216-067-00	METAL GLAZE METAL GLAZE	560 5 5.6K 5	% 1/10W % 1/10W	
CN0302	2*1-573-299-11	NECTOR> CONNECTOR, BOARD TO BOAR	D 10P	i 1 1 1	R1306 R1307 R1308	1-216-049-00 1-216-049-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	560 5 5.6K 5 1K 5 1K 5 100 5	1/10W 1/10W 1/10W 1/10W	
	<010	DE>			R1310 R1311	1-216-067-00	METAL GLAZE	5.6K 5	% 1/10W % 1/10W	
D1302	8-719-400-18	DE> DIODE MA152WK TER>			R1312 R1313 R1314	1-216-035-00 1-216-059-00 1-216-216-00	METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 5 1.2K 5 270 5 2.7K 5 5.6K 5	7 1/10W 7 1/10W 7 1/8W	
	<fil< td=""><td>TER></td><td></td><td></td><td>R1315</td><td>1-216-043-00</td><td>METAL GLAZE</td><td></td><td></td><td></td></fil<>	TER>			R1315	1-216-043-00	METAL GLAZE			
FL1301 FL1302 FL1303 FL1304	1 1-236-620-11 2 1-236-620-11 3 1-236-620-11 4 1-236-164-11	TER> FILTER, LOW PASS FILTER, LOW PASS FILTER, LOW PASS ENCAPSULATED COMPONENT			R1316 R1319 R1320 R1321	1-216-049-00 1-216-055-00 1-216-043-00 1-216-204-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 5 1K 5 1.8K 5 560 5 1.8K 5	1/10W 1/10W 1/10W 1/10W 1/8W	
	<1.0>	IC SBX1692-01			R1322 R1324	I-216-067-00 I-216-049-00 I-216-202-00 I-216-059-00 I-216-043-00		5.6K 5 1K 5 1.5K 5 2.7K 5 560 5	1/10W 1/10W 2 1/8W 2 1/10W 2 1/10W	

6-6. SPEAKER (KV-E3431D/E3431B)

■ : BVTP4x16 7-685-663-79
□ : BVTP4x10 7-685-660-79
△ : BVTP4x8 7-685-659-79



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
102	A-1678-039-A	SCREW (B) ASSY, ORNAMENTAL BOX COMPLETE ASSY (LEFT) BOX ASSY, SIDE (L) CLIP	103~108 104	109 110 111 111	A-1678-050-A *4-200-471-01 I-696-410-11 1-544-767-11	BOX ASSY, WOOFER GASKET CABLE, SPEAKER (WITH GROWMET) SPEAKER (13CM)	110~113
105 106 107	1-504-151-21	SPEAKER (7.5X13CM) CABLE, SPEAKER (WITH GROWMET) BOTTOM ASSY, SIDE CUSHION, FOOT	108	113 114 115		CUSHION, FOOT (B) BOX COMPLETE ASSY (RIGHT) BOX ASSY, SIDE (R)	14~108,115 104



REF. NO	D. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
C324 C341 C342 C343 C344	1 124-910-11 1-163-077-00 1-163-077-00 1-164-004-11 1-162-638-11	ELECT 47MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 1MF	20% 10% 10% 10%	50V 25V 25V 25V 16V	CN0103*	1-564-511-11 1-568-882-51	CONNECTOR, BOARD TO PLUG, CONNECTOR 8P PIN, CONNECTOR 7P PIN, CONNECTOR 5P	BOARD 10	90
C345 C347 C348 C349	1 -164 -346 -11 1 -162 -638 -11 1 -164 -346 -11 1 -164 -346 -11	CERAMIC CHIP IMF	20%	16V 16V 16V 16V	CN0107* CN0108* CN0109	1-568-879-51 1-568-878-51 1-695-299-11 1-568-882-51	PIN, CONNECTOR 4P PIN, CONNECTOR 3P CONNECTOR, BOARD TO PIN, CONNECTOR 7P	BOARD 50	9P
C350 C351 C353 C354 C355	1:124:907-11 1:126:233:11 1:164:346:11 1:164-346-11 1:162-638:11	ELECT 22MF CERAMIC CHIP IMP CERAMIC CHIP IMP	20 % 20 %	50V 50V 16V 16V 16V	CN0113 CN0114* CN0115*	1-695-298-11 1-568-879-51 1-564-516-11	PIN, CONNECTOR 7P CONNECTOR, BOARD TO PIN, CUNNECTOR 4P PLUG, CONNECTOR 13P	BOARD 40)P
C356 C357 C358 C359	1-164-489-11 1-164-299-11 1-164-299-11 1-124-907-11	CERAMIC CHIP 0.22MF CERAMIC CHIP 0.22MF CERAMIC CHIP 0.22MF ELECT 10MF	10% 10% 10% 20%	16V 25V 25V 50V	CN0119*	1-568-879-81 1-564-511-11 1-564-513-11	PIN, CONNECTOR 4P PIN, CONNECTOR 4P PLUG, CONNECTOR 8P PLUG, CONNECTOR 10P		
C361 C362	1-163-101-00 1-137-134-91	CERAMIC CHIP 22PF FILM 0.22MF	5% 5%	50V 63V		<010			
C363 C365 C366 C401 C402	1-124-907-11 1-124-120-11 1-124-903-11 1-164-005-11 1-124-917-11	ELECT 10MF ELECT 220MF ELECT 1MF CERAMIC CHIP 0.47MF ELECT 33MF	20% 20% 20% 20%	50V 16V 50V 16V 50V	D069 D071 D073 D075	8-719-104-34 8-719-109-89 8-719-109-89 8-719-400-18	910DE 1S2836 910DE 1S2836 910DE RD5.6ES-B2 910DE RD5.6ES-B2 910DE MA152WK		
C403 C411 C412 C421 C422	1-164-005-11 1-164-005-11 1-164-005-11 1-124-910-11 1-124-910-11	CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF ELECT 47MF ELECT 47MF	20 % 20 %	16V 25V 25V 50V 50V	D078 D079 D101 D205	8-719-109-89 8-719-109-89 8-719-982-27 8-719-023-21	DIODE MA152WK DIODE RD5.6ES-B2 DIODE RD5.6ES-B2 DIODE MTZJ-33C DIODE DA116-T146		
C423 C424 C425 C426 C427	1-101-004-00 1-163-129-00 1-163-129-00 1-124-910-11 1-164-346-11	CERANIC 0.01MF CERANIC CHIP 330PF CERANIC CHIP 330PF ELECT 47MF CERANIC CHIP 1MF	5% 5% 20%	50V 50V 50V 50V 16V	D207 D208 D209 D210	8-719-911-19 8-719-911-19	DIODE MA152WK DIODE MTZJ-13C DIODE ISS119 DIODE ISS119 DIODE ISS119		
C428 C429 C574 C581 C582	1 · 164 · 346 - 11 1 · 124 · 119 · 00 1 · 163 - 117 · 00 1 · 163 · 031 - 11 1 - 126 · 233 - 11	CERANIC CHIP IMF ELECT 330MF CERANIC CHIP 100PF CERANIC CHIP 0.01MF ELECT 22MF	20% 5% 20%	16V 16V 50V 50V	D212 D213 D301	8-719-400-18 8-719-400-18	DIODE 1SS119 DIODE 1SS119 DIODE MA152WK DIODE MA152WK DIODE 1S2836		
C583 C586 C587 C588 C589	1-163-121-00 1-163-063-00 1-124-903-11 1-164-346-11 1-126-233-11	CERAMIC CHIP 150PF CERAMIC CHIP 0.022MF ELECT 1MF CERAMIC CHIP 1MF ELECT 22MF	5% 10% 20%	50V 50V 50V 16V 50V	D304 D305 D306	8-719-400-18 8-719-400-18	DIODE 1S2836 DIODE RD5.6ES-B2 DIODE MA152WK DIODE MA152WK DIODE MA152WK		
C590 C591 C592 C593 C595	1 126-233-11 1 124-925-11 1 163-017-00 1 164-182-11 1 163-117-00	ELECT 22MF ELECT 2.2MF CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0033MF CERAMIC CHIP 100PF	20% 20% 10%	50V 50V 50V 50V	D311 D381 D401	8-719-800-76 8-719-800-76 8-719-110-03 8-719-921-69 8-719-921-69	D10DE 1SS226 D10DE 1SS226 D10DE RD7.5ES-B2 D10DE MTZJ-9.1 D10DE MTZJ-9.1		
C681 C682 C683 C684 C685	1 124-478-11 1 126-101-11 1 124-478-11 1-124-478-11 1-124-478-11	ELECT 100MF ELECT 100MF ELECT 100MF ELECT 100MF ELECT 100MF	20% 20% 20% 20% 20%	25V 16V 25V 25V 25V	D406 D407 D571	8-719-921-69 8-719-921-69 8-719-921-69 8-719-800-76 8-719-981-99	DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE ISS226 DIODE MTZJ-3.3		
					D682	8-719-109-89	DIODE RD5.6ES-B2		
(3E) w		TER>				<10>			
CF581	1 - 577 - 611 - 11	OSCILALTOR, CERAMIC			100 7 2	8-759-073-14	IC X24C16P		
CN0001 CN0101	I * 1~568-880-7I	NECTOR> PIN, CONNECTOR 5P CONNECTOR, BOARD TO B (KV-E2)	OARD 20P 5310,E293	ID, E343ID)	1C201 1C202 1C251 1C261	8-759-073-30 8-759-502-21 8-759-072-99 8-759-072-99	IC TDA6612 IC TDA2822M IC TDA2052 IC TDA2052		

The components identified by shading and mark Δ are critical for safety. Replace only with part number

specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REMARK REP.NO. PART NO. DESCRIPTION REMARK REP.NO. PART NO. DESCRIPTION REMARK REP.NO. PART NO. DESCRIPTION REMARK REMARK REMARK REP.NO. PART NO. DESCRIPTION REMARK		PART NO.				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
1-216-055-00 METAL CLAZE 1.8K 51 1.10W 209 1-16-005-11 CERANIC CLIF 0.478F 259 1.10W 210 1-16-005-11 CERANIC CLIF 0.478F 259 279 1.10W 211 1-16-005-11 CERANIC CLIF 0.478F 259 279 1.10W 211 1-16-005-11 CERANIC CLIF 0.478F 259 279	R1329 R1330 R1331 R1332	1-216-043-00 1-216-073-00 1-216-069-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 6.8K 6.8K	5% 1/1 5% 1/1 5% 1/1 5% 1/1	OM OM OM OM OM	C204 C205 C206 C207 C208	1-164-005-11 1-124-907-11 1-164-161-11 1-137-613-11 1-164-005-11	CERAMIC CHIP OF ELECT 1 CERAMIC CHIP OF ILM CE	.47MF OMF .0022MF .0018MF	20% 10% 2%	50V 50V 100V
#A-1624-009-A F1 BOARD, COMPLETE #A-1624-009-A F1 BOARD, COMPLETE #A-1241-086-A F1 BOARD, COMPLETE #A-141-751-D1 EVELET (EY691, EY692) #A-341-751-D1 EVELET (EY691, EY692) #A-341-752-D1 EVELET #A-1621-08-B0-11 CERAMIC CHIP D. 0.015MF #A-1622-09-CA A BOARD, COMPLETE (KY-E2531B, E2931B) #A-1632-09-CA A BOARD, COMPLETE (KY-	R1341 R1342 R1343	1-216-089-00 1-216-073-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE	47K 10K 2.2K	5% 1/1 5% 1/1 5% 1/1 5% 1/1 5% 1/1	OM OM OM OM	C209 C210 C211 C213 C214	1-164-005-11 1-164-005-11 1-164-004-11 1-163-023-00	CERAMIC CHIP O CERAMIC CHIP O CERAMIC CHIP O CERAMIC CHIP O	1.47MF 1.47MF 1.1MF 1.015MF	10% 10%	25V 25V 50V
A-1624-009-A F1 BOARD. COMPLETE (KY-E2531B, E2531D, E2931B, E2931B, E2931B) **A-1241-086-A F1 BOARD. COMPLETE (KY-E3431B, E2531D, E2931B, E2931B) **A-1241-086-A F1 BOARD. COMPLETE (KY-E3431B, E2531D, E2931B, E2931B) **A-1241-056-A F1 BOARD. COMPLETE (KY-E3431B, E2531D, E2931B) **A-1341-751-01 EYELET (EY051, EY692) **A-1341-752-01 EYELET (EY051, EY692) **CONNECTOR> **CONNECTOR> **CONNECTOR> **CONNECTOR> **CONNECTOR> **CONNECTORP **CONNECTORP **CONNECTORP **CONNECTORP **CONNECTORP **CONNECTOR* **CONNECTORP **CO	***	**********	********	*****			€ C215	1-163-809-11	CERAMIC CHIP C	0.047MF	10%	
1-533-230-11 HOLDER, FUSE C222 1-124-925-11 ELECT 2. MF 20.7 50V			**************************************	***** 2531B.E	2531D.E29	31B,E2931D	C217 C218	1-124-925-11	ELECT 2	2.2MF 2.2MF	20% 20%	50V 50V
F051 Al-576-232-21 FUSE (H.B.C.) 5A/250V C230 1-124-478-11 ELECT (ERMINIC CHIP) 0.001KF 16V 20X 25V 16V 232 1-163-009-11 CERAMIC CHIP 0.001KF 10X 50V C234 1-163-007-10 CERAMIC CHIP 0.0047KF 10X 50V C236 1-137-134-91 FILM 0.22KF 5X 63V C236 1-137-134-91 FILM 0.22KF 5X 63V C237 1-124-618-11 ELECT 2200KF 20X 35V C237 1-124-618-11 ELECT 2200KF 20X 35V C239 1-137-134-91 FILM 0.0247KF 10X 50V C239 1-137-134-91 FILM 0.0247KF 10X 50V C239 1-137-134-91 FILM 0.0247KF 10X 50V C240 1-126-233-11 ELECT 22MF 20X 50V C241 1-126-233-11 ELECT 22MF 20X 50V C241 1-163-103-00 CERAMIC CHIP 0.0047KF 10X 50V C241 1-163-033-00 CERAMIC CHIP 0.0047KF 10X 50V C241 1-163-033-00 CERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 25V 50V C301 1-163-0			**********	****			C220	1-163-011-11	CERAMIC CHIP	0.0015MF		
F051 Al-576-232-21 FUSE (H.B.C.) 5A/250V C230 1-124-478-11 ELECT (ERMINIC CHIP) 0.001KF 16V 20X 25V 16V 232 1-163-009-11 CERAMIC CHIP 0.001KF 10X 50V C234 1-163-007-10 CERAMIC CHIP 0.0047KF 10X 50V C236 1-137-134-91 FILM 0.22KF 5X 63V C236 1-137-134-91 FILM 0.22KF 5X 63V C237 1-124-618-11 ELECT 2200KF 20X 35V C237 1-124-618-11 ELECT 2200KF 20X 35V C239 1-137-134-91 FILM 0.0247KF 10X 50V C239 1-137-134-91 FILM 0.0247KF 10X 50V C239 1-137-134-91 FILM 0.0247KF 10X 50V C240 1-126-233-11 ELECT 22MF 20X 50V C241 1-126-233-11 ELECT 22MF 20X 50V C241 1-163-103-00 CERAMIC CHIP 0.0047KF 10X 50V C241 1-163-033-00 CERAMIC CHIP 0.0047KF 10X 50V C241 1-163-033-00 CERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 25V 50V C301 1-163-0		1-533-230-11 *4-341-751-01 *4-341-752-01	HOLDER, FUSE EYELET (EY69) EYELET	, EY692)			C221 C222 C223 C224	1-12 4 -925-11 1-13 7 -028-11	ELECT 2	2.2MF IMF	20% 10%	50V 63V
F051 Al-576-232-21 FUSE (H.B.C.) 5A/250V C230 1-124-478-11 ELECT (ERMINIC CHIP) 0.001KF 16V 20X 25V 16V 232 1-163-009-11 CERAMIC CHIP 0.001KF 10X 50V C234 1-163-007-10 CERAMIC CHIP 0.0047KF 10X 50V C236 1-137-134-91 FILM 0.22KF 5X 63V C236 1-137-134-91 FILM 0.22KF 5X 63V C237 1-124-618-11 ELECT 2200KF 20X 35V C237 1-124-618-11 ELECT 2200KF 20X 35V C239 1-137-134-91 FILM 0.0247KF 10X 50V C239 1-137-134-91 FILM 0.0247KF 10X 50V C239 1-137-134-91 FILM 0.0247KF 10X 50V C240 1-126-233-11 ELECT 22MF 20X 50V C241 1-126-233-11 ELECT 22MF 20X 50V C241 1-163-103-00 CERAMIC CHIP 0.0047KF 10X 50V C241 1-163-033-00 CERAMIC CHIP 0.0047KF 10X 50V C241 1-163-033-00 CERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 25V 50V C301 1-163-0		< CONI	NECTORS				C225 C226	1-164-182-11 1-163-007-11	CERAMIC CHIP (0.0033MF 580PF	10% 10%	
F051 Al-576-232-21 FUSE (H.B.C.) 5A/250V C230 1-124-478-11 ELECT (ERMINIC CHIP) 0.001KF 16V 20X 25V 16V 232 1-163-009-11 CERAMIC CHIP 0.001KF 10X 50V C234 1-163-007-10 CERAMIC CHIP 0.0047KF 10X 50V C236 1-137-134-91 FILM 0.22KF 5X 63V C236 1-137-134-91 FILM 0.22KF 5X 63V C237 1-124-618-11 ELECT 2200KF 20X 35V C237 1-124-618-11 ELECT 2200KF 20X 35V C239 1-137-134-91 FILM 0.0247KF 10X 50V C239 1-137-134-91 FILM 0.0247KF 10X 50V C239 1-137-134-91 FILM 0.0247KF 10X 50V C240 1-126-233-11 ELECT 22MF 20X 50V C241 1-126-233-11 ELECT 22MF 20X 50V C241 1-163-103-00 CERAMIC CHIP 0.0047KF 10X 50V C241 1-163-033-00 CERAMIC CHIP 0.0047KF 10X 50V C241 1-163-033-00 CERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 10X 25V C240 1-163-033-11 ELECT 220KF 20X 16V C301 1-163-033-00 ERAMIC CHIP 0.0047KF 25V 50V C301 1-163-0	CN0003 CN0831	*1-580-844-11 *1-695-292-11	PIN, CONNECTO PIN, CONNECTO	OR (POWE OR (POWE	CR)		C227 C228 C229	1-124-907-11 1-124-907-11	ELECT	10MF	20%	50V
SWITCH> C234 T-103 of 17							C230	1-124-478-11	ELECT CERAMIC CHIP	100MF	20%	
SWITCH SWITCH SWITCH PUSH (AC POWER) C236 1-124-618-11 ELECT 2200WF 20X 35V 25V 228 1-163-017-00 CERAMIC CHIP 0.0047MF 10X 50V 25V 228 1-163-038-00 CERAMIC CHIP 0.0047MF 10X 25V	F651 A) 5A/250	V		C232 C233 C234	1-163-009-11 1-163-009-11	CERAMIC CHIP (0.001MF 0.001MF	10%	50V 50V
**A-1632-101-A		<swi< td=""><td>TCH></td><td></td><td></td><td></td><td>C235</td><td>1-137-134-91</td><td>FILM</td><td>0.22MF</td><td>5% 20%</td><td></td></swi<>	TCH>				C235	1-137-134-91	FILM	0.22MF	5% 20%	
*A-1632-101-A A BOARD, COMPLETE (KV-E2531B,E2931B) *A-1632-090-A A BOARD, COMPLETE (KV-E2531D,E2931D) *A-1297-007-A A BOARD, COMPLETE (KV-E2531D,E2931D) *A-1297-007-A A BOARD, COMPLETE (KV-E3431B) *A-1297-008-A A BOARD, COMPLETE (KV-E3431B) *A-1297-008-A A BOARD, COMPLETE (KV-E3431B) *A-1297-008-A A BOARD, COMPLETE (KV-E3431D) **A-1297-008-A A BOARD, COMPLETE (KV-E3431D) *A-200-001-01 HOLDER, IC 4-201-023-01 SPACER, INSULATING 4-201-023-01 SPACER, INSULATING 4-201-023-01 SPACER, INSULATING 4-812-134-00 RIVET NYLON, 3.5 **CAPACITOR> **CAPACITORS **CAPACITORS **COT2 I-124-120-01 ELECT 47MF 20% 16V C300 I-163-038-00 CERAMIC CHIP 0.1MF 10% 25V C300 I-163-038-10 CERAMIC CHIP 0.1MF 10% 25V C300 I-163-037-10 CERAMIC CHIP 0.1MF 10% 25V C300 I-163-038-00 CERAMIC CHIP 0.1MF 10% 25V C300 I-163-037-10 CERAMIC CHIP 0.1MF 25V C311 I-163-038-00 CERAMIC CHIP 0.1MF 25V C312 I-124-910-11 ELECT 47MF 20% 50V C313 I-163-037-00 CERAMIC CHIP 0.1MF 25V C314 I-163-038-00 CERAMIC CHIP 0.1MF 25V C315 I-163-038-00 CERAMIC CHIP 0.1MF 25V C316 I-163-037-00 CERAMIC CHIP 0.1MF 25V C316 I-163-037-00 CERAMIC CHIP 0.1MF 25V C316 I-163-037-00 CERAMIC CHIP 0.1MF 25V C316 I-163-038-00 CERAMIC CHIP 0.1MF 25V C316 I-163-038						********	C237 C238	1-124-618-11 1-163-017-00	ELECT CERAMIC CHIP	2200MF 0.0047MF	20% 10%	35V 50V
*A-1632-090-A *A BOARD, COMPLETE (KV-E3431B) *A-1297-007-A *A BOARD, COMPLETE (KV-E3431B) *A-1297-008-A *A BOARD, COMPLETE (KV-E3431B) *C241 1-124-032-11	******							1-126-233-11	ELECT	22MF		
**************************************		*A-1632-090-A	A BOARD, COM	***** PLETE (I *****	KV-E2531D	,E2931D)	C242 C243	1-126-233-11 1-124-903-11 1-163-119-00	ELECT ELECT CERAMIC CHIP	1MF 120PF	20% 5%	50V 50V
4-200-001-01 HOLDER, IC 4-201-023-01 SPACER, INSULATING (C303 1-164-346-11 CERAMIC CHIP 1MF (C304 1-164-004-11 CERAMIC CHIP 0.1MF (C305 1-163-097-00 CERAMIC CHIP 0.1MF (C306 1-163-097-00 CERAMIC CHIP 0.1MF (C307 1-163-017-00 CERAMIC CHIP 0.0047MF (C308 1-163-097-11 CERAMIC CHIP 0.1MF (C308 1-163-097-10 CERAMIC CH			********	****			!					
## 200 001 01					KV-E3431D)	1 0302	1 - 103 - 036 - 00	CERAMIC CHIP	0.IMF 0.IMF	20%	25V 25V
C305		4-201-023-01	SPACER, INSU	LATING							10%	251
CO72 1-124-120-11 ELECT 220MF 20% 16V C310 1-163-038-00 CERAMIC CHIP 0.1MF 25V C102 1-126-103-11 ELECT 470MF 20% 16V C311 1-163-038-00 CERAMIC CHIP 0.1MF 25V C103 1-163-031-11 CERAMIC CHIP 0.01MF 50V C312 1-124-910-11 ELECT 47MF 20% 50V C313 1-163-038-00 CERAMIC CHIP 0.1MF 25V C105 1-126-233-11 ELECT 22MF 20% 50V C314 1-163-038-00 CERAMIC CHIP 0.1MF 25V C106 1-124-927-11 ELECT 4.7MF 20% 50V C314 1-163-038-00 CERAMIC CHIP 0.1MF 25V C110 1-124-478-11 ELECT 4.7MF 20% 50V C316 1-163-077-00 CERAMIC CHIP 0.1MF 50V C316 1-163-038-00 CERAMIC CHIP 0.1MF 25V C316 1-163-038-00 CERAMIC CHIP 0.1MF 20% 50V C316 1-163-038-00 CERAMIC CHIP 0.1MF 25V C316 1-163-038-00 CERAMIC CHIP 0.1MF 20% 50V C316 1-163-038-00 CERAMIC CHIP 0.1MF 25V C318 1-163-103-00 CERAMIC CHIP 27PF 5% 50V C318 1-163-103-00 CERAMIC CHIP 27PF 5% 50V C318 1-163-038-00 CERAMIC CHIP 0.1MF 25V C31	COR	<caf< td=""><td>PACITOR></td><td></td><td>203</td><td>, 10N</td><td>C306 C307 C308</td><td>1-163-097-00 1-163-017-00 1-163-037-11</td><td>CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP</td><td>15PF 0.0047MF 0.022MF</td><td>10% 10%</td><td>50V 50V 25V</td></caf<>	PACITOR>		203	, 10N	C306 C307 C308	1-163-097-00 1-163-017-00 1-163-037-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	15PF 0.0047MF 0.022MF	10% 10%	50V 50V 25V
C104	C072 C074 C102	1-124-120-11 1-163-001-11 1-126-103-11	ELECT CERAMIC CHIP ELECT	220MF 220PF 470MF	20% 10% 20%	16V 50V 16V	C310 C311	1-163-038-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP	0.1MF 0.1MF		25V 25V
C105 1-126-233-11 ELECT 22MF 20% 50V C106 1-124-927-11 ELECT 4.7MF 20% 50V C110 1-124-927-11 ELECT 4.7MF 20% 50V C110 1-124-478-11 ELECT 100MF 20% 25V C316 1-163-077-00 CERAMIC CHIP 0.1MF 50V C111 1-102-074-00 CERAMIC 0.001MF 10% 50V C317 1-163-103-00 CERAMIC CHIP 27PF 5% 50V C318 1-163-103-00 CERAMIC CHIP 27PF 5% 50V C318 1-163-103-00 CERAMIC CHIP 27PF 5% 50V C318 1-163-038-00 CERAMIC CHIP 27PF 5% 50V C318 1-163-038-00 CERAMIC CHIP 27PF 5% 50V C318 1-163-038-00 CERAMIC CHIP 0.1MF 25V C301 1-137-129-91 FILM 0.033MF 5% 63V C320 1-124-910-11 ELECT 47MF 20% 50V C320 1-124-910-11 ELECT 47MF 20% 50V C320 1-156-005-11 CFRAMIC CHIP 0.47MF 25V C320 1-126-233-11 ELECT 22MF 20% 50V C320 1-126-233-11 ELECT 22MF 20%							C313	1-163-077-00	CERAMIC CHIP	0.1MF	201	50V
C120 1-163-031-11 CERAMIC CHIP 0.01MF 50V C201 1-137-129-91 FILM 0.033MF 5% 63V C320 1-124-910-11 ELECT 47MF 20% 50V C202 1-137-129-91 FILM 0.033MF 5% 63V C321 1-163-038-00 CERAMIC CHIP 0.1MF 25V C203 1-164-005-11 CERAMIC CHIP 0.47MF 25V C322 1-126-233-11 ELECT 22MF 20% 50V	C105 C106 C110	1-126-233-11 1-124-927-11 1-124-478-11	ELECT ELECT ELECT	22MF 4.7MF 100MF 0.001M	202 202 202 F 102	50V 50V 25V 50V	C315 C316 C317 C318	1-124-910-11 1-163-077-00 1-163-103-00	ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	47MF 0.1MF 27PF 27PF		50V 50V 50V 50V
C201 1-137-129-91 FILM 0.033MF 5% 63V 1.0320 1-124-910-11 ELECT 47MF 20W 25V 1.0202 1-137-129-91 FILM 0.033MF 5% 63V 1.0321 1-163-038-00 CERAMIC CHIP 0.1MF 25V 1.0321 1-164-005-11 CERAMIC CHIP 0.47MF 25V 1.0322 1-126-233-11 ELECT 22MF 20% 50V	C120			0.01MF		50 V	1				20♥	
	C201 C202	1-137-129-91 1-137-129-91	FILM Film	0.033M 0.033M	F 5%	63V	C321	1-163-038-00 1-126-233-11	CERAMIC CHIP ELECT	0.1MF 22MF	20%	25V 50V



REF.NO	D. PART NO.	DESCRIPTIO	N -			REMARK	REF. NO	. PART NO.	DESCRIPTIO	N -			REMARK
JR226 JR227 JR228	1-216-296-00 1-216-296-00) METAL GLAZE) METAL GLAZE	0 0 0	5% 5% 5%	1/8W 1/8W 1/8W		R229	1-216-039-00 1-216-246-00		390 1001		1/10W 1/8W	
JR229 JR230 JR231					1/8W 1/8W 1/8W		R230 R231 R232 R233	1-216-097-00 1-216-081-00 1-216-071-00	METAL GLAZE METAL GLAZE METAL GLAZE	100k 22K 8.2k	5% 5% 5%	1/10W 1/10W 1/10W	
JR232 JR233 JR234	1-216-296-00) METAL GLAZE) METAL GLAZE) METAL GLAZE	0 0 0	5% 5% 5%	1/8W 1/8W 1/8W		R234 R235 R236 R237	1-216-077-00 1-216-073-00 1-216-081-00	METAL GLAZE	15K 10K 22K	5% 5%	1/10W 1/10W 1/10W	
JR236 JR237	1-216-296-00 1-216-296-00				1/8W 1/8W 1/8W		R238 R239	1-216-025-00 1-216-025-00 1-216-073-00	METAL GLAZE METAL GLAZE	100 100 10K	5% 5% 5%	1/10W 1/10W 1/10W	
JR238 JR239 JR240	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0		1/8₩ 1/8₩ 1/8₩		R240 R241 R242 R243	1-216-218-00	METAL GLAZE METAL GLAZE	47K 2.2K 6.8K	5%	1/10W 1/10W 1/8W	
JR241 JR242 JR243 JR244		METAL GLAZE	0 0 0 0	5% 5%	1/8W 1/8W 1/8W		R244 R245 R247	1-249-438-11 1-216-089-00 1-216-089-00	METAL GLAZE	56K 47K 47K	5% 5% 5%	1/4W 1/10W 1/10W	
JR245 JR247 JR248	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE			1/8W 1/8W 1/8W		R248 R249 R250	1-216-073-00 1-216-073-00 1-216-045-00 1-216-095-00	METAL GLAZE METAL GLAZE	10K 10K 680 82K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
JR250 JR251 JR252	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 0 0 0	5% 5% 5%	1/8W 1/8W 1/8W 1/8W		R251 R252 R253	1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 10K 10K	5% 5%	1/10W 1/10W 1/10W	
JR253 R071 R072	1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 470	5% 5%	1/8W 1/10W 1/10W		R254 R255 R256	1-216-252-00	METAL GLAZE METAL GLAZE	180K 180K	5%	1/8W 1/8W	
R073 R074 R076	1-216-033-00 1-216-198-00	METAL GLAZE	220 220 1K 2.2K		1/10W 1/8W 1/10W		R257 R259 R260	1-249-409-11 1-216-049-00 1-216-198-00	CARBON METAL GLAZE METAL GLAZE	220 220 1 K 1 K	5% 5% 5% 5%	1/4W 1/4W 1/10W 1/8W	
R077 R101 R102 R103	1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 100 1K 2.7K	5%	1/10W 1/10W 1/10W		R303	1-216-029-00 1-216-029-00 1-216-174-00	METAL GLAZE METAL GLAZE	150 150 100	5% 5%	1/10W 1/10W 1/8W	
R105 R108 R115	1-216-073-00 1-216-230-00	METAL GLAZE METAL GLAZE	10K 22K	5% 5%	1/10W 1/10W 1/8W		R304 R305 R306	1-216-174-00 1-216-035-00 1-216-035-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 270 270	5% 5% 5%	1/8W 1/10W 1/10W	
R201 R202	1-216-653-11	METAL CHIP	1.2K	0.50% 0.50%	1/8W 1/10W 1/10W	1 2 1 1 1	R307 R308 R309 R310	1-216-075-00 1-216-121-00 1-216-001-00 1-216-001-00	METAL GLAZE METAL GLAZE	12K 1M 10	5% 5%	1/10W 1/10W 1/10W 1/10W	
R203 R204 R205 R206	1-216-067-00 1-216-091-00 1-216-071-00 1-216-071-00	METAL GLAZE Metal Glaze	5.6K 56K 8.2K 8.2K 2.2K	57	1/10W 1/10W 1/10W 1/10W	i ! !	R311	1-216-065-00 1-249-407-11	METAL GLAZE	10 4.7K 150	5%	1/10W 1/4W	
R207 R208 R209	1-216-057-00 1-216-057-00 1-249-377-91	METAL GLAZE METAL GLAZE CARBON	2.2K 2.2K 0.47	5%	1/10W 1/10W		R314 R315 R316	1-216-081-00 1-249-409-11 1-249-409-11 1-216-097-00	CARBON CARBON METAL GLAZE	22K 220 220 100K	5% 5% 5% 5%	1/10W 1/4W 1/4W 1/10W	
R210 R211 R212	1-247-734-11 1-247-734-11 1-216-049-00	CARBON CARBON METAL GLAZE	39 39 1K	5% 5% 5% 5%	1/4W F 1/2W 1/2W 1/10W		R317 R318 R319	1-216-073-00 1-216-029-00 1-249-407-11	METAL GLAZE METAL GLAZE CARBON	10K 150 150	5% 5% 5%	1/10W 1/10W 1/4W	
R213 R214 R215	1-216-073-00 1-216-049-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 1K 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W		R320 R321 R322	1-216-174-00 1-216-039-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 390 150	5% 5%	1/8W 1/10W 1/10W	
R216 R217 R218	1-216-049-00 1-216-047-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE	1 K 820 22 K		1/10W 1/10W 1/10W		K325	1-216-029-00 1-216-049-00 1-216-041-00 1-216-073-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 470 10K 100	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R221 R222 R223 R224	1-212-849-00 1-216-049-00 1-216-047-00 1-249-433-11	FUSIBLE METAL GLAZE METAL GLAZE CARBON	4.7 1K 820 22K	5% 5% 5% 5%	1/4W F 1/10W 1/10W 1/4W		R329 R330	1-216-023-00	METAL GLAZE METAL GLAZE METAL GLAZE	82 1.5K 100K	5% 5%	1/10W 1/10W	
R225 R226 R227	1-212-849-00 1-249-412-11 1-216-081-00	FUSIBLE CARBON METAL GLAZE	4.7 390 22K	5% 5%	1/4W F 1/4W 1/10W		R333 R334	1-216-182-00 1-216-182-00	METAL GLAZE METAL GLAZE	220 220	5% 5% 5%	1/10W 1/8W 1/8W	
R228	1-216-081-00	METAL GLAZE	22K	5%	1/10W		R340	1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE	100 100	5% 5%	1/10W 1/10W	



											L
REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION	!			REMARK
1 C302 1 C304	8-759-073-15 8-759-505-39 8-752-056-54 8-752-062-86	IC TDA9145 IC TDA4660V2 IC CXA1587S IC CXA1545AS			JR104	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0	5% 5% 5%	1/10W 1/10W 1/10W	
1 C 4 0 2 1 C 6 8 1 1 C 6 8 3	8-759-073-00 8-759-072-98 8-759-982-10 8-759-982-10	IC TEA2114 IC TDA8138A IC RC7809FA IC RC7809FA			JR108 JR109	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
					JR112 JR113		METAL GLAZE METAL GLAZE	0 0 0	5% 5% 5%	1/10W 1/10W 1/10W	
		BLOCK>		E2931B,E3431B)	JR115	1-216-295-00 1-216-295-00	METAL GLAZE	0	5% 5%	1/10W 1/10W	
		IF BLOCK (IFH-3	389) (KV-E2531D,I	E2931D,E3431D)	JR118 JR119	1-216-295-00 1-216-295-00	METAL GLAZE	0 0 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
L101	<011 1-412-546-21	L> Inductor	560UH		JR120 JR121	1-216-295-00 1-216-295-00) METAL GLAZE) METAL GLAZE	0	5%	1/10W	
L102 L201 L306	1-408-413-00 1-407-500-00 1-408-405-00 1-408-417-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	22UH 4.7MMH 4.7UH 47UH		JR122 JR123 JR124 JR125 JR127	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00) METAL GLAZE) METAL GLAZE	0 0 0 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
L610 L611	,,,	INDUCTOR INDUCTOR NSISTOR>	150UH 150UH		JR128 JR129 JR131 JR132	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00) METAL GLAZE	0 0 0	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
Q071	8-729-901-05	TRANSISTOR DTA	124EK		JR133	1-216-295-0		0	5 %	1/10₩	
Q101 Q102 Q103 Q201	8-729-216-22 8-729-901-00 8-729-900-53 8-729-120-28	TRANSISTOR 2SA TRANSISTOR DTC TRANSISTOR DTC TRANSISTOR 2SC	124EK 114EK		JR134 JR136 JR137 JR138 JR140	1-216-295-0 1-216-295-0 1-216-295-0 1-216-295-0 1-216-295-0	O METAL GLAZE O METAL GLAZE	0 0 0 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
Q202 Q203 Q204 Q205 Q206	8-729-120-28 8-729-120-28 8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SA TRANSISTOR 2SA TRANSISTOR 2SA	1623-L5L6 1162-G 1162-G		JR141 JR142 JR143 JR144 JR150	1-216-295-0 1-216-295-0 1-216-295-0 1-216-295-0	O METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE	0 0 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
Q207 Q209 Q301 Q302 Q303	8-729-216-22	TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR DTC TRANSISTOR 2SA TRANSISTOR 2SA	1623-L5L6 124EK 1162-G		JR201 JR202 JR203 JR204 JR205	1-216-296-0 1-216-296-0 1-216-296-0 1-216-296-0	O METAL GLAZE O METAL GLAZE O METAL GLAZE	0 0 0 0	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/8W 1/8W	
Q304 Q305 Q306 Q308 Q309	8-729-900-53 8-729-901-01 8-729-216-22 8-729-216-22 8-729-931-02	TRANSISTOR DTO TRANSISTOR DTO TRANSISTOR 25A TRANSISTOR 25A TRANSISTOR 25O	:144EK :1162-G :1162-G		JR206 JR207 JR208 JR209 JR210	1-216-296-0 1-216-296-0 1-216-296-0 1-216-296-0	O METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE	0 0 0	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/8W 1/8W	
Q311 Q312 Q401 Q402 Q403	8-729-901-06 8-729-900-53 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR DTO	:114EK :1623-l5l6 :1623-l5l6		JR211 JR212 JR213 JR214 JR215	1-216-296-0 1-216-296-0 1-216-296-0 1-216-296-0	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0 0	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/8W 1/8W	
Q404 Q581 Q582 Q610 Q611	8-729-120-28 8-729-120-28 8-729-216-22 8-729-140-97 8-729-900-53	TRANSISTOR 2SO TRANSISTOR 2SO TRANSISTOR DTO	C1623-L5L6 A1162-G B734-34 C114EK		JR216 JR217 JR218 JR219 JR220	1-216-296-0 1-216-296-0 1-216-296-0 1-216-296-0	00 METAL GLAZI 00 METAL GLAZI 00 METAL GLAZI 00 METAL GLAZI	0 0 0 0 0	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/8W	
Q683	8-729-140-96	TRANSISTOR 2S	0774-34		JR221 JR222	1-216-296-0	O METAL GLAZI		5% 5%	1/8W 1/8W	
ID 101	<re 1-216-295-00</re 	SISTOR>	0 5%	1/10W	JR223	1-216-296-6	OO METAL GLAZI OO METAL GLAZI	0 0	5% 5% 5%	1/8W 1/8W 1/8W	
JR102	1-216-295-00	METAL GLAZE	0 5%	1/10W	31122	, , 210 220 1					



REF.NO	O. PART NO.				REMARK	REF. NO	. PART NO.	DES	CRIPTIO	N -			REMARK
C161 C162 C163 C164 C165	1-163-117-00 1-164-222-11 1-164-346-11 1-163-141-00 1-164-232-11 1-124-477-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF 0.22MF 1MF 0.001MF 0.01MF	5% 5% 10%	50V 25V 16V 50V 50V	JR2 JR3 JR4 JR7 JR8	1-216-295- 1-216-296- 1-216-295- 1-216-295- 1-216-295-	00 META 00 META 00 META		0 0 0	5% 5% 5% 5%	1/10W 1/8W 1/10W 1/10W 1/10W	
C167 C168 C170 C171	1-163-213-00 1-164-346-11 1-124-477-11 1-124-477-11	CERAMIC CHIP CERAMIC CHIP ELECT ELECT	0.0022MF 1MF 47MF 47MF	5% 20% 20%	16 V 50 V 16 V 16 V 16 V	JR9 JR11 JR14 JR16 JR18	1-216-296- 1-216-296- 1-216-296- 1-216-295- 1-216-295-	UU META	L GLAZE	0 0 0 0	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/10W 1/10W	
C172 C173	1-124-477-11 1-124-477-11	ELECT ELECT	47MF 47MF	20% 20%	16V 16V	i				_	5% 5% 5% 5%	1/8W 1/8W 1/8W	
	<fi1< td=""><td>LTER></td><td></td><td></td><td></td><td>JR23 JR24</td><td>1-216-296- 1-216-296-</td><td>UU META</td><td>L GLAZE L GLAZE</td><td>0</td><td>5%</td><td>1/8W</td><td></td></fi1<>	LTER>				JR23 JR24	1-216-296- 1-216-296-	UU META	L GLAZE L GLAZE	0	5%	1/8W	
CF2 CF3 CF4 SWF1	1-527-839-00 1-527-840-00 1-567-570-11 1-579-658-11	BLECT LTER> FILTER, CERAN FILTER, CERAN FILTER, CERAN FILTER, SAWTO	MIC MIC MIC OTH WAVE			JR25 JR29 JR30 JR33	1-216-296- 1-216-296- 1-216-295- 1-216-295-			-	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/10W 1/10W	
	<c01< td=""><td>NNECTOR></td><td></td><td></td><td></td><td>JR38</td><td>1-216-296-</td><td>00 META</td><td>GLAZE</td><td>ŏ</td><td>5%</td><td>1/8W</td><td></td></c01<>	NNECTOR>				JR38	1-216-296-	00 META	GLAZE	ŏ	5%	1/8W	
CN1 CN2	*1-506-913-11 *1-506-913-11	PIN, CONNECTO PIN, CONNECTO	IR 10P IR 10P			JR39 JR40 R101 R102 R103	1-216-296- 1-216-296- 1-216-075- 1-216-073- 1-216-057-	00 METAI 00 METAI 00 METAI	GLAZE GLAZE GLAZE	0 0 12K 10K 2.2K	5% 5% 5%	1/8W 1/8W 1/10W 1/10W 1/10W	
СТ1		MMER>				R104	1-216-051-0	O METAL	GLAZE	1.2K	5%	1/10W	
CII		TRAP, CERAMIC				R106 R107 R108	1-216-049-0 1-216-065-0 1-216-065-0	O METAL	GLAZE	1K 4.7K 4.7K	5% 5%	1/10W 1/10W 1/10W	
	<010					R110	1-216-041-0	O METAL	GLAZE	470	5%	1/10W	
D161	8-719-400-18	DIODE MA152WK				R113 R114	1-216-031-0 1-216-049-0	O METAL	GLAZE	180 1 K	5% 5%	1/10W 1/10W	
	<10>	•				R115 R116	1-216-027-0 1-216-101-0	O METAL	GLAZE GLAZE	120 150K 100K	5%	1/10W 1/10W 1/10W	
101	8-759-070-76	IC M52308SP				R117	1-216-097-0	O METAL	GLAZE	100K	5%	1/10W	
102 103	8-759-070-71 8-759-514-54	IC BA7046			j	R118 R119	1-216-117-0 1-216-240-0	O METAL	GLAZE	680K 56K	5% 5%	1/10W 1/8W	
	<coi< td=""><td>18</td><td></td><td></td><td></td><td>R120 R121</td><td>1-216-075-0 1-216-053-0</td><td>O METAL</td><td>GLAZE GLAZE</td><td>12K 1.5K</td><td>5% 5% 5% 5%</td><td>1/10W 1/10W</td><td></td></coi<>	18				R120 R121	1-216-075-0 1-216-053-0	O METAL	GLAZE GLAZE	12K 1.5K	5% 5% 5% 5%	1/10W 1/10W	
L101	1-408-421-00		100UH			R122	1-216-061-0			3.3K		1/10W	
L102 L103	1-408-419-00 1-408-419-00	INDUCTOR INDUCTOR	68UH 68UH			R124	1-216-075-0 1-216-041-0	O METAL	GLAZE	12K 470	5% 5% 5%	1/10W 1/10W	
L104 L121	1-408-408-00 1-408-413-00	INDUCTOR INDUCTOR	8.2UH 22UH			R125 R127 R130	1-216-041-0	O METAL	GLAZE	470 820	5% 5% 5%	1/10W 1/10W	
L122	1-408-420-00	INDUCTOR	82UH				1-216-049-0 1-216-025-0		GLAZE GLAZE	1K		1/10W	
L142 L151	1-410-790-41 1-408-419-00	INDUCTOR INDUCTOR	0.56UH 68UH			R132	1-216-069-0 1-216-061-0	O METAL	GLAZE GLAZE	100 6.8K 3.3K	5% 5% 5%	1/10W 1/10W 1/10W	
L161	1-408-419-00	INDUCTOR	68UH		į	R134	1-216-049-0 1-216-198-0	O METAL	GLAZE	1K 1K	5% 5%	1/10W 1/10W 1/8W	
	<trai< td=""><td>NSISTOR></td><td></td><td></td><td></td><td>R150</td><td>1-216-043-0</td><td>) METAL</td><td></td><td>560</td><td></td><td>1/10W</td><td></td></trai<>	NSISTOR>				R150	1-216-043-0) METAL		560		1/10W	
Q101 Q102	8-729-120-28 8-729-216-22	TRANSISTOR 250 TRANSISTOR 25A	1623-L5L6			R151 R152	1-216-043-0 1-216-043-0	O METAL	GLAZE GLAZE	560 560	5% 5% 5% 5%	1/10W 1/10W	
Q121 Q122	8-729-120-28 8-729-216-22	TRANSISTOR 2SC TRANSISTOR 2SA	1623-L5L6			R153 R154	1-216-025-00 1-216-049-00	METAL O METAL	GLAZE GLAZE	100 1 K	5% 5%	1/10W 1/10W	
Q161	8-729-216-22	TRANSISTOR 2SA	1162-G			R155 R156	1-216-051-00 1-216-083-00) METAL	GLAZE GLAZE	1.2K 27K	5% 5%	1/10W 1/10W	
Q170 Q171 Q172	8-729-120-28	TRANSISTOR 2SC TRANSISTOR 2SC	1623-L5L6			R157 R159	1-216-051-00 1-216-107-00) METAL	GLAZE	1.2K 270K	57	1/10W 1/10W 1/10W	
Q173	8-729-120-28 8-729-120-28	TRANSISTOR 2SC TRANSISTOR 2SC	1623-L5L6 1623-L5L6			R160	1-216-049-00) METAL	GLAZE	1 K	5% 5%	1/10W	
	<resi< td=""><td>STOR></td><td></td><td></td><td></td><td>R162</td><td>1-216-100-00 1-216-073-00 1-216-113-00</td><td>METAL</td><td>GLAZE</td><td>130K 10K 470K</td><td>0.50% 5% 5%</td><td>1/10W 1/10W 1/10W</td><td></td></resi<>	STOR>				R162	1-216-100-00 1-216-073-00 1-216-113-00	METAL	GLAZE	130K 10K 470K	0.50% 5% 5%	1/10W 1/10W 1/10W	

The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.

Les composants identifies par une trame et une marque \(\Delta \) sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



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REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R341 R342	1-216-025-00 1-216-033-00	METAL GLAZE METAL GLAZE	100 220	5% 5%	1/10W 1/10W		R586	1-216-053-00	METAL GLAZE	1.5K		1/10W	
R343 R344	1-216-022-00 1-216-022-00	METAL GLAZE METAL GLAZE	75 75 75	5% 5% 5% 5%	1/10W 1/10W 1/8W		R587 R588 R589	1-216-045-00 1-216-101-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	680 150K 10K	5% 5% 5%	1/10W 1/10W 1/10W	
R345 R346	1-216-171-00	METAL GLAZE	75		1/10W		R590 R591	1-216-049-00 1-216-073-00	METAL GLAZE METAL GLAZE	1 K 10K	5% 5% 5%	1/10W 1/10W	
R347 R348 R349	1-216-083-00 1-216-029-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE	27K 150 150	5% 5% 5% 5%	1/10W 1/10W 1/10W		R592 R593	1-216-232-00 1-216-063-00	METAL GLAZE METAL GLAZE	27K 3.9K	5% 5%	1/8W 1/10W	
R350	1-216-178-00	METAL GLAZE METAL GLAZE	150 10K		1/8W 1/10W		R594 R595 R596	1-216-053-00 1-216-643-11 1-216-670-11	METAL GLAZE METAL CHIP METAL CHIP	1.5K 470 6.2K	5% 0.50% 0.50%	1/10W 1/10W 1/10W	
R351 R352 R354	1-216-073-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE	220 220	5% 5% 5%	1/10W 1/10W		R597	1-216-230-00	METAL GLAZE	22K 470	5% 5% 5%	1/8W 1/8W	
R355 R356	1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE	220 220	5% 5%	1/10W 1/10W		R600 R616 R628	1-216-190-00 1-216-035-00 1-249-411-11	CARBON	270 330	5%	1/10W 1/4W	_
R357 R358	1-216-041-00 1-216-031-00	METAL GLAZE METAL GLAZE	470 180	5% 5% 5%	1/10W 1/10W 1/10W		R681 R684	1-216-397-11 1-216-047-00	METAL OXIDE	4.7 820	5% 5%	3W 1/10W	F
R359 R360 R361	1-216-033-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 220 220	5% 5%	1/10W 1/10W		R685	1-216-049-00	METAL GLAZE	1 K	5%	1/10W	
R362	1-216-077-00	METAL GLAZE	15K	5%	1/10W			<tun< td=""><td>NER></td><td></td><td></td><td></td><td></td></tun<>	NER>				
R365 R366 R367	1-216-073-00 1-216-067-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 5.6K 3.9K	5% 5% 5% 5%	1/10W 1/10W 1/8W		TU101.	∆ 1-693-185-11	TUNER (UV916	H)			
R368	1-216-033-00	METAL GLAZE	220		1/10W			<cry< td=""><td>YSTAL></td><td></td><td></td><td></td><td></td></cry<>	YSTAL>				
R369 R370 R371	1-216-033-00 1-216-033-00 1-216-033-00	METAL GLAZE	220 220 220	5% 5% 5% 5%	1/10W 1/10W 1/10W		X301 X302	1-567-504-11 1-567-505-11	OSCILLATOR, OSCILLATOR,	CRYSTAL CRYSTAL			
R373 R376	1-216-017-00 1-216-065-00	METAL GLAZE	47 4.7K	5% 5%	1/10W 1/10W		****	*********	********	*****	*****	*****	*******
R377 R378	1-216-051-00 1-216-057-00		1.2K 2.2K	5% 5%	1/10W 1/10W			1-466-733-11	IF BLOCK (IF	*****			
R379 R380	1-216-206-00 1-216-057-00	METAL GLAZE METAL GLAZE	2.2K 2.2K	5% 5% 5% 5%	1/8W 1/10W					(KV-	-625311),E29311	D, E3431D)
R401 R402	1-216-171-00 1-216-158-00		75 22		1/8W 1/8W		1		PACITOR>				
R403 R404	1-216-025-00 1-216-158-00	METAL GLAZE METAL GLAZE	100 22	5% 5% 5%	1/10W 1/8W		C101 C102	1-164-222-11	CERAMIC CHIE CERAMIC CHIE CERAMIC CHIE	0.22M	F	5% 10%	50V 25V 50V
R405 R406	1-216-025-00	METAL GLAZE METAL GLAZE	100 22	5% 5%	1/10W 1/8W		C103 C104 C105	1-164-232-11 1-164-232-11 1-164-004-11	CERAMIC CHIE	0.01M 0.01M 0.1MF	F	10% 10%	50V 25V
R407 R408	1-216-025-00 1-216-093-00	METAL GLAZE	100 68K	5% 5%	1/10W 1/10W		C106	1-124-477-11 1-164-004-11	ELECT	47MF		20% 10%	16V 25V
R410 R411 R412	1-216-067-00 1-216-067-00 1-216-022-00		5.6K 5.6K 75		1/10W 1/10W 1/10W		C107 C108 C109	1-164-004-11 1-164-004-11 1-164-232-11	CERAMIC CHII	0.1MF	F	10% 10%	25V 50V
R413	1-216-022-00	METAL GLAZE	75	5% 5%	1/10W		C112	1-164-004-11				10% 5%	25V 50V
R414 R416	1-216-022-00 1-216-113-00 1-216-067-00	METAL GLAZE	75 470K 5.6K	5%	1/10W 1/10W 1/10W		C113 C114 C115	1-163-101-00 1-124-477-11 1-164-232-11	ELECT	47MF	F	20% 10%	16V 50V
R417 R419	1-216-113-00	METAL GLAZE	470K	5%	1/10W		C116 C118	1-164-346-11 1-164-004-11	CERAMIC CHI	P 1MF		10%	16V 25V
R420 R423	1-216-067-00 1-216-015-00	METAL GLAZE	5.6K 39 100	5% 5%	1/10W 1/10W 1/10W		C119 C121	1-163-369-11 1-163-235-11	CERAMIC CHI	P 22PF		5% 5%	50V 50V
R424 R425 R426	1-216-025-00 1-216-025-00 1-216-025-00	NETAL GLAZE	100 100	5% 5% 5% 5%	1/10W 1/10W		C122	1-163-239-11 1-163-235-11	CERAMIC CHI	P 33PF P 22PF		5% 5% 10%	50V 50V 25V
R427	1-216-025-00	METAL GLAZE	100 10		1/10W 1/4W		C124	1-164-004-11	METAL GLAZE	0	5%	1/1/1	
R428 R572 R574	1-249-393-11 1-216-198-00 1-216-041-00) METAL GLAZE	1 K 470	5% 5% 5% 5%	1/8W 1/10W)	C131 C133	1-163-093-00 1-124-477-11	CERAMIC CHI ELECT	47MF		5% 20%	50V 16V 16V
R575	1-216-037-00) METAL GLAZE	330 220		1/10W		C152 C153	1-164-337-11 1-164-337-11	CERAMIC CHI CERAMIC CHI	P 2.2MF			164
R581 R582 R583	1-216-033-00 1-216-037-00 1-216-053-00) METAL GLAZE) METAL GLAZE	330 1.5	5% 5% 5%	1/10W 1/10W	j	C154 C155	1-164-337-11 1-164-232-11	L CERAMIC CHI	P 0.01M	iF	10% 20%	16V 50V 16V
R584	1-216-039-00) METAL GLAZE	390	5%	1/10W	V	; C156	1-124-477-11	I ELECT	47NF		20%	101



1-408-419-00
Li21 1-408-407-00 INDUCTOR 6.8 8.0 1.7 1
CTRANSISTOR>
Q1
R73
R81 1-216-095-00 METAL GLAZE R2K 5% 1/10W R82 1-216-121-00 METAL GLAZE R82 1-216-121-00 METAL GLAZE R82 1-216-121-00 METAL GLAZE R82 1-216-121-00 METAL GLAZE R83 1-216-025-00 METAL GLAZE R84 1-216-085-00 METAL GLAZE R85 1-216-085-00 METAL GLAZE R85 R85 1-216-085-00 METAL GLAZE R86 R8729-120-28 TRANSISTOR 2SC1623-L5L6 R86 1-216-085-00 METAL GLAZE R87 R87 1-216-085-00 METAL GLAZE R87 R88 R88
R86
JR2 1-216-295-00 METAL GLAZE 0 5% 1/10W JR3 1-216-296-00 METAL GLAZE 0 5% 1/8W JR5 1-216-296-00 METAL GLAZE 0 5% 1/8W R2 1-216-065-00 METAL GLAZE 100 5% 1/10W R3 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R4 1-216-041-00 METAL GLAZE 4.7K 5% 1/10W R5 1-216-055-00 METAL GLAZE 68 5% 1/10W R6 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R8 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R9 1-216-057-00 METAL GLAZE 2.7K 5% 1/10W R9 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R1 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W
R91 1-216-295-00 METAL GLAZE 0 5% 1/10W R92 1-216-075-00 METAL GLAZE 12K 5% 1/10W R93 1-216-075-00 METAL GLAZE 12K 5% 1/10W R94 1-216-059-00 METAL GLAZE 1/10W R95 1-216-059-00 METAL GLAZE 1/10W R96 1-216-059-00 METAL GLAZE 1/10W R97 1-216-059-00 METAL GLAZE 1/10W R98 1-216-059-00 METAL GLAZE 1/10W R99 1-216-059-00 METAL GLAZE 1/10W R100 1/10W
R3 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R4 1-216-041-00 METAL GLAZE 470 5% 1/10W R5 1-216-051-00 METAL GLAZE 470 5% 1/10W R5 1-216-055-00 METAL GLAZE 68 5% 1/10W R6 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R7 1-216-057-00 METAL GLAZE 2.7K 5% 1/10W R97 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R98 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R98 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R99 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R10 1-216-071-00 METAL GLAZE 8.2K 5% 1/10W R10 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R10 1-216-059-00 METAL GLAZE 4.7K 5% 1/10W R11 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R100 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W
R9 1-216-069-00 METAL GLAZE 6.8K 5% 1/10W R10 1-216-071-00 METAL GLAZE 2.2K 5% 1/10W R10 1-216-071-00 METAL GLAZE 8.2K 5% 1/10W R11 1-216-059-00 METAL GLAZE 8.2K 5% 1/10W R11 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R12 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R13 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R102 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W
R24 1-216-280 00 METAL CLAZE 2.7K 57 1/10W 1 R102 1-216-065-00 METAL GLAZE 4.7K 57 1/10W
R24 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R102 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R25 1-216-057-00 METAL GLAZE 2.7K 5% 1/10W R103 1-216-063-00 METAL GLAZE 3.9K 5% 1/10W R104 1-216-049-00 METAL GLAZE 1K 5% 1/10W
R26 1-216-061-00 METAL GLAZE 2.2K 5% 1/10W R104 1-216-049-00 METAL GLAZE 1K 5% 1/10W R27 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R105 1-216-033-00 METAL GLAZE 220 5% 1/10W R127 1-216-266-00 METAL GLAZE 680K 5% 1/8W
R28 1-216-075-00 METAL GLAZE 12K 5% 1/10W R122 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R29 1-216-035-00 METAL GLAZE 270 5% 1/10W R123 1-216-041-00 METAL GLAZE 470 5% 1/10W R30 1-216-049-00 METAL GLAZE 1K 5% 1/10W R124 1-216-041-00 METAL GLAZE 470 5% 1/10W
R31 1-216-017-00 METAL GLAZE 47 5% 1/10W R301 1-216-041-00 METAL GLAZE 470 5% 1/10W R301 1-216-049-00 METAL GLAZE 470 5% 1/10W
R33 1-216-037-00 METAL GLAZE 300 5% 1/10W R34 1-216-252-00 METAL GLAZE 330 5% 1/10W R35 1-216-035-00 METAL GLAZE 180K 5% 1/8W R303 1-216-049-00 METAL GLAZE 1K 5% 1/10W R304 1-216-035-00 METAL GLAZE 270 5% 1/10W R304 1-216-037-00 METAL GLAZE 330 5% 1/10W
P30 1 210 022 00 HETAL CLAZE 100 04 1/10W 1306 1-216-025-00 MFTAL CLAZE 100 69 1/10W
R37 1-216-049-00 METAL GLAZE 1K 5% 1/10W R38 1-216-099-00 METAL GLAZE 120K 5% 1/10W R39 1-216-089-00 METAL GLAZE 47K 5% 1/10W R40 1-216-049-00 METAL GLAZE 1K 5% 1/10W
R42 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W
R44 1-216-027-00 METAL GLAZE 120 5% 1/10W RV2 1-241-120-11 RES, ADJ, CARBON 2.2K RV6 1-216-031-00 METAL GLAZE 180 5% 1/10W
R47 1-216-075-00 METAL GLAZE 12K 5% 1/10W T1 1-404-806-21 COIL



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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R164	1-216-113-00		470K 5%	1/10W		C35	1-124-925-11	ELECT	2.2MF	20%	50 V
R165 R166 R167 R168	1-216-081-00 1-216-049-00 1-216-073-00 1-216-113-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	22K 5% 1K 5% 10K 5% 470K 5%	1/10W 1/10W 1/10W 1/10W		C36 C37 C38 C40 C71	1-124-477-11 1-164-232-11 1-163-017-00 1-164-232-11 1-124-477-11	ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	0.0047MF	20% 10% 10% 10% 20%	16V 50V 50V 50V 16V
R170 R171 R172 R173	1-216-083-00 1-216-075-00 1-216-095-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	27K 5% 12K 5% 82K 5% 2.7K 5%	1/10W 1/10W 1/10W 1/10W		C72 C80 C83 C84 C85	1-164-232-11 1-124-477-11	ELECT Elect	0.01MF 47MF 47MF 47MF 47MF	10% 20% 20% 20% 20%	50V 16V 16V 16V 16V
R174 R175 R176 R177 R178	1-216-057-00 1-216-083-00 1-216-075-00 1-216-095-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 5% 27K 5% 12K 5% 82K 5% 2.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C86 C87 C91 C95	1-124-477-11 1-124-477-11 1-163-229-11 1-164-337-11	ELECT ELECT CERAMIC CHIP CERAMIC CHIP	47MF 47MF 12PF 2.2MF	20% 20% 5%	16V 16V 50V 16V
R179 R180	1-216-057-00 1-216-037-00	METAL GLAZE	2.2K 5% 330 5%	1/10W 1/10W		C101	1-163-017-00	CERAMIC CHIP		10% 10%	50V 50V
R181		METAL GLAZE	330 5%	1/10W		C102 C104 C105 C106	1-163-017-00 1-163-017-00 1-163-017-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.0047MF 0.0047MF 0.0047MF	10% 10% 10%	50V 50V 50V
RV1		RES, ADJ, CARE				C121	1-126-176-11	CERAMIC CHIP	220MF	20% 5%	10V 50V
	<tra< td=""><td>NSFORMER></td><td></td><td></td><td></td><td>C122</td><td>1-103-119-00</td><td>CERAMIC CHIP</td><td>12011</td><td>J.</td><td>301</td></tra<>	NSFORMER>				C122	1-103-119-00	CERAMIC CHIP	12011	J.	301
T4	1-416-017-11					ant		TER>	WI C		
T 5		COIL, IF				CF1 CF2 CF3	1-567-569-11	FILTER, CERA FILTER, CERA FILTER, CERA	MIC		
*****		IF BLOCK (IFH-		******	•	CF4 SWF1	1-567-570-11	FILTER, CERA FILTER, SURF	MIC		
	1 400 133 11	**********	*****	1B, E2931	B,E3431B)	SWF3 SWF4		SAWF			
	<caf< td=""><td>PACITOR></td><td></td><td></td><td></td><td></td><td>(CO)</td><td>INECTOR></td><td></td><td></td><td></td></caf<>	PACITOR>					(CO)	INECTOR>			
C1 C2 C3 C4 C5	1-163-017-00 1-164-232-11 1-124-903-11 1-164-232-11 1-164-232-11	CERANIC CHIP (CERANIC CHIP (BLECT CERANIC CHIP (CERANIC CHIP (0.01MF 1MF 0.01MF	10% 10% 20% 10% 10%	50V 50V 50V 50V 50V	CN1 CN2	*1-506-913-11 *1-506-913-11	PIN, CONNECT PIN, CONNECT	OR 10P OR 10P		
C6	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50 V			MMER>	a.		
C7 C8 C9 C10	1-164-232-11	CERAMIC CHIP (CERAMIC CHIP (ELECT CERAMIC CHIP (0.01MF 0.0047MF 22MF 0.01MF	10% 10% 20% 10%	50V 50V 25V 50V	CT1 CT2 CV1 CV2 CV3	1-409-429-11 1-141-245-00 1-141-245-00	TRAP, CERAMI TRAP, CERAMI CAP, TRIMMER CAP, TRIMMER TRIMMER, CER	C		
C11 C13 C14 C15 C16	1-124-477-11 1-163-059-00 1-124-477-11 1-124-903-11 1-163-061-00	CERAMIC CHIP (ELECT ELECT	47MF 1MF	20% 10% 20% 20% 10%	16V 50V 16V 50V 50V	D7 D8	8-719-421-57	DDE> DIODE MA73-T DIODE MA73-T			
C17 C18 C19 C20 C21	1-162-638-11 1-162-638-11 1-163-141-00 1-124-902-00 1-124-903-11	CERAMIC CHIP CERAMIC CHIP ELECT	INF	5% 20% 20%	16V 16V 50V 50V	D9	8-719-421-57 <ic< td=""><td>DIODE MA73-T</td><td></td><td></td><td></td></ic<>	DIODE MA73-T			
C22 C23 C24 C25 C26	1-164-232-11 1-124-902-00 1-164-506-11 1-124-477-11 1-164-232-11	CERAMIC CHIP ELECT CERAMIC CHIP ELECT	0.47MF 4.7MF 47MF	107 207 207 107	50V 50V 16V 16V 50V	1C1 1C2 1C3	8-759-070-75 8-759-070-71 8-759-979-62	IC PCF8574			
C27 C28 C33 C34	1-164-232-11 1-124-477-11 1-124-907-11 1-124-907-11	CERAMIC CHIP ELECT ELECT		10% 20% 20% 20%	50V 16V 50V 50V	L1 L2 L3 L4	1-408-419-00 1-408-419-00 1-408-407-00 1-408-419-00	INDUCTOR INDUCTOR	68UH 68UH 6.8UH 68UH		



REF.NO	. PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION	i -		REMARK
C11 C12 C13 C14 C15	1-163-037-11 1-163-127-00 1-163-117-00 1-163-097-00 1-163-103-00	CERAMIC CHIP O. CERAMIC CHIP 10 CERAMIC CHIP 10 CERAMIC CHIP 11 CERAMIC CHIP 27			25V 50V	Q01 Q03 Q04	<tra 8~729-120-28 8~729-120-28 8~729-120-28</tra 	ANSISTOR> TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	25C1623-L5L6 25C1623-L5L6 25C1623-L5L6		
C16 C17 C18 C19 C20	1-164-232-11 1-163-809-11 1-163-093-00 1-163-089-00 1-163-125-00	CERAMIC CHIP O. CERAMIC CHIP O.	.01MF .047MF OPF		50V 25V 50V 50V	Q06 Q07 Q08 Q09 Q10	8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC1623-L5L6 SC1623-L5L6 SA1162-G SC1623-L5L6 SC1623-L5L6		
C21 C22 C23 C24 C25	1-163-833-00 1-163-117-00 1-163-210-00 1-164-505-11 1-164-505-11	CERAMIC CHIP 2.	. 2MF . 2MF		25V 50V 50V 16V 16V	Q11 Q12	8-729-120-28 8-729-901-00 <res< td=""><td>TRANSISTOR 2 TRANSISTOR D</td><td>SC1623-L5L6 TC124EK</td><td></td><td></td></res<>	TRANSISTOR 2 TRANSISTOR D	SC1623-L5L6 TC124EK		
C26 C28 C30 C32 C33	1-163-809-11 1-163-137-00 1-137-033-11 1-163-038-00 1-124-910-11	CERAMIC CHIP 68	047MF 80PF 33MF 1MF 7MF	10% 5% 10% 20%	25V 50V 100V 25V 50V	RO1 RO2 RO3 RO4	1-216-295-00 1-216-025-00 1-216-025-00 1-216-055-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 5% 100 5% 1.8K 5% 1K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
C34 C35 C36 C37 C39	1-124-907-11 1-163-243-11 1-163-239-11 1-216-295-00 1-163-135-00	ELECT 10 CERAMIC CHIP 47 CERAMIC CHIP 33	OMF PPF OPF	20% 5% 5%	50V 50V 50V	R05 R06 R07 R08 R09	1-216-041-00 1-216-029-00 1-216-041-00 1-216-071-00 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 5% 150 5% 470 5% 8.2K 5% 56K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
C40 C53 C54	1-163-263-11 1-163-038-00 1-163-038-00	CERAMIC CHIP 33 CERAMIC CHIP 0. CERAMIC CHIP 0.	OPF IMF IMF	5%	50V 25V 25V	R10 R11 R12 R13 R15	1-216-057-00 1-216-057-00 1-216-057-00 1-216-065-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 5% 2.2K 5% 2.2K 5% 4.7K 5% 3.3K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
CN1737 CN1741	7*1-564-511-11	NECTOR> Plug, connector Plug, connector	8P 8P			R16 R17 R20 R21 R22	1-216-033-00 1-216-033-00 1-216-049-00 1-216-049-00 1-216-057-00	METAL GLAZE	220 5% 220 5% 1K 5% 1K 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
СТ01	<tri 1-141-418-11 <dio< td=""><td></td><td></td><td></td><td></td><td></td><td>1-216-065-00 1-216-091-00 1-216-065-00 1-216-089-00 1-216-043-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>4.7K 5% 56K 5% 4.7K 5% 47K 5% 560 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W</td><td></td></dio<></tri 						1-216-065-00 1-216-091-00 1-216-065-00 1-216-089-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 56K 5% 4.7K 5% 47K 5% 560 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
DO1 DO3 DO4 DO9 D10	8-719-400-18 8-719-104-34 8-719-104-34 8-719-400-18	DIODE MA152WK DIODE 1S2836				R29 R30	1-216-043-00 1-216-043-00 1-216-037-00 1-216-061-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 5% 560 5% 330 5% 3.3K 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
D11 D12	8-719-400-18	DIODE MAI52WK DIODE MAI52WK			1 1 1 1 1 1 1 1	R34 R35 R36	1-216-081-00 1-216-081-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47 5% 22K 5% 22K 5% 2.2K 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
1001 1002 1003 1004 1005	8-759-073-28 8-759-037-64 8-759-146-48	IC SDA5231-2 IC UPD424256C-80 IC CXD1050A-15P)			R39 R40 R41	1-216-103-00 1-216-043-00 1-216-033-00	METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE		% 1/10W % 1/10W 1/10W 1/10W 1/10W	
L01 L02	<011 1-408-411-00 1-408-414-00	.> INDUCTOR 1 INDUCTOR 2	5UH 27UH			R44 R46 R47	1-216-033-00 1-216-073-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 220 5% 10K 5% 2.2K 5% 8.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
L03 L04 L05	1-408-417-00 1-408-413-00 1-408-409-00	INDUCTOR 4 INDUCTOR 2	70H 20H 00H			R50 R54	1-216-071-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 5% 8.2K 5% 10K 5% 6.8K 5%	1/10W 1/10W 1/10W 1/10W	



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK																																				
T3 1-416-012-11 T4 1-416-012-11	COIL		01707	8-729-119-78 8-729-140-96 8-729-907-06 8-729-255-12	TRANSISTOR 2SI	0774-34 199-AMMO																																						
<crys< td=""><td>STAL></td><td></td><td></td><td>.0.00</td><td>1 CBCD.</td><td></td><td></td><td></td></crys<>	STAL>			.0.00	1 CBCD.																																							
	VIBRATOR, CERAMIC				ISTOR>																																							
*************	****************	********	R1701	1-249-405-11 1-249-420-11	CARBON CARBON	100 5% 1.8K 5%	1/4W 1/4W																																					
*A-1644-028-A	VM BOARD, COMPLETE (KV-E293	1B,E2931D)	R1703	1-249-405-11	CARBON	100 5% 1.8K 5%	1/4W 1/4W																																					
*A-1342-189-A	VM BOARD, COMPLETE (KV-E343	1B,E3431D)		1-249-420-11 1-247-736-11	CARBON	56 5%	1/2W	F																																				
	*************		R1706	1-249-414-11	CARBON	560 5% 390 5%	1/4W	F																																				
*4-368-683-01 4-382-854-11	SPRING (KV-E2931B, E2931D) SCREW (N3X10), P. SW (+)	24210 624210	R1707	1-249-412-11 1-249-416-11	CARBON CARBON	390 5% 820 5% 2.2 5%	1/4W 1/4W 1/4W	c																																				
	(KV-E	3431B,E3431D	R1711	1-249-385-11 1-249-432-11	CARBON CARBON	18K 5%	1/4W	r																																				
<cap.< td=""><td>ACITOR></td><td></td><td></td><td>1-249-435-11</td><td></td><td>33K 5% 56K 5%</td><td>1/4W</td><td></td></cap.<>	ACITOR>			1-249-435-11		33K 5% 56K 5%	1/4W																																					
C1701 1-124-119-00	ELECT 330MF 20			1-249-438-11 1-249-429-11	CARBON	10K 5%	1/4W 1/4W																																					
C1702 1-101-880-00 C1703 1-102-115-00	CERAMIC 47PF 5% CERAMIC 560PF 10	50V 2 50V	R1715 R1716	1-216-476-11 1-249-417-11	METAL OXIDE CARBON	180 5% 1K 5%	3W 1/4W	F																																				
C1704 1-161-830-00 C1705 1-124-120-11	CERAMIC 0.0047MF ELECT 220MF 20	500Y		1-249-432-11		18K 5%	1/4W																																					
			R1718	1-249-410-11	CARBON	270 5%	1/4W																																					
C1706 1-123-935-00 C1707 1-124-907-11	ELECT 33MF 20 ELECT 10MF 20	% 50V		1-249-419-11 1-249-441-11	CARBON CARBON	100K 5%	1/4W 1/4W																																					
C1708 1-101-006-00 C1709 1-108-704-11	CERANIC 0.047MF MYLAR 0.1MF 10	50V 200V	R1721	1-249-414-11	CARBON	560 5%	1/4W																																					
C1710 1-137-052-91	FILM 0.047MF 10			1-249-385-11 1-249-429-11		2.2 5% 10K 5% 39K 5%	1/4W 1/4W	F																																				
C1711 1-162-318-11	CERAMIC 0.001MF 10 ELECT 2.2MF 20		R1724	1-249-436-11 1-249-417-11		39K 5% 1K 5%	1/4W 1/4W																																					
C1712 1-124-799-11 C1713 1-162-318-11	CERAMIC 0.001MF 10	500V	R1726	1-249-411-11	CARBON	330 5%	1/4W																																					
C1714 1-137-052-91 C1716 1-124-907-11	FILM 0.047MF 10 ELECT 10MF 20		R1727	1-249-402-11	CARBON	56 5%	1/4W																																					
C1718 1-124-120-11	ELECT 220MF 20)% 16V	R1731	1-216-451-11 1-249-420-11		120 5% 1.8K 5%	2W 1/4W	F																																				
C1719 1-124-907-11	ELECT 10MF 20		R1734	1-249-426-11 1-249-419-11	CARBON CARBON	5.6K 5% 1.5K 5%	1/4W 1/4W																																					
<con< td=""><td>INECTOR></td><td>D</td><td>) </td><td></td><td></td><td></td><td></td><td></td></con<>	INECTOR>	D)																																									
CN1819*1-568-882-81			*****	***********	***********	*********	*****	*******																																				
CN1830*1-568-878-51	PIN, CONNECTOR 3P (KV-E343)	1B,E3431D)		*A-1645-024-A	V BOARD, COMP																																							
<010	IDF>			*A-1347-069-A	(KV-E V BOARD, COMP	2531B,E2531 PLETE (KV-E3	D, E293 431B, E	li, E 2931D) 3/3-1D)																																				
D1701 8-719-911-19					*********	****																																						
D1702 8-719-911-19	DIODE 155119 DIODE 155119																																											
D1703 8-719-911-19 D1704 8-719-982-37	DIODE MTZJ-39C			<ca< td=""><td>PACITOR></td><td></td><td></td><td></td></ca<>	PACITOR>																																							
D1705 8-719-982-37	DIODE MTZJ-39C		C01	1-126-233-11		22MF	20%	5 OV																																				
D1706 8-719-911-19 D1707 8-719-911-19	DIODE 188119 DIODE 188119		C02	1-163-038-00 1-163-038-00	CERAMIC CHIP			25V 25V																																				
			C04	1-126-233-11	ELECT	22MF	20%	5 0 Y																																				
<c01< td=""><td>IL></td><td></td><td>C05 C06</td><td>1-163-037-11 1-124-120-11</td><td>CERAMIC CHIP</td><td>0.022MF 220MF</td><td>10% 20%</td><td>25V 16V</td></c01<>	IL>		C05 C06	1-163-037-11 1-124-120-11	CERAMIC CHIP	0.022MF 220MF	10% 20%	25V 16V																																				
L1702 1-408-418-00	INDUCTOR 56UH		C07 C08	1-124-903-11 1-163-097-00		IMF	20% 5%	50V 50V																																				
<tr <="" td=""><td>ANSISTOR></td><td></td><td>C09</td><td></td><td>CERAMIC CHIP</td><td>0.001MF</td><td>5%</td><td>5 0 V</td></tr> <tr><td>01701 8-729-119-78</td><td>TRANSISTOR 2SC2785-HFE</td><td></td><td>C10</td><td>1-163-133-00</td><td></td><td>470PF</td><td>5%</td><td>5 0V</td></tr> <tr><td>01702 8-729-173-38 01703 8-729-208-39</td><td>TRANSISTOR 2SA733-K TRANSISTOR 2SA1306A-Y</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Q1704 8-729-119-78</td><td>TRANSISTOR 2SC2785-HFE</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Q1705 8-729-208-72</td><td>TRANSISTOR 2SC3298B-Y</td><td></td><td>i</td><td></td><td></td><td></td><td></td><td></td></tr>	ANSISTOR>		C09		CERAMIC CHIP	0.001MF	5%	5 0 V	01701 8-729-119-78	TRANSISTOR 2SC2785-HFE		C10	1-163-133-00		470PF	5%	5 0V	01702 8-729-173-38 01703 8-729-208-39	TRANSISTOR 2SA733-K TRANSISTOR 2SA1306A-Y								Q1704 8-729-119-78	TRANSISTOR 2SC2785-HFE								Q1705 8-729-208-72	TRANSISTOR 2SC3298B-Y		i					
ANSISTOR>		C09		CERAMIC CHIP	0.001MF	5%	5 0 V																																					
01701 8-729-119-78	TRANSISTOR 2SC2785-HFE		C10	1-163-133-00		470PF	5%	5 0V																																				
01702 8-729-173-38 01703 8-729-208-39	TRANSISTOR 2SA733-K TRANSISTOR 2SA1306A-Y																																											
Q1704 8-729-119-78	TRANSISTOR 2SC2785-HFE																																											
Q1705 8-729-208-72	TRANSISTOR 2SC3298B-Y		i																																									



-	J														
		. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART N	0. 	DESC	RIPTION				REMAR
	C1462 C1463 C1464 C1465 C1466	1-164-005-11 1-126-101-11 1-126-101-11 1-126-101-11	CERAMIC CHIP O ELECT 1 ELECT 1 ELECT 1 ELECT 1	.47MF 00MF 00MF 00MF	20% 20% 20%	25V 16V 16V 16V	Q1418	8-729- 8-729- 8-729- 8-729-	900-53 900-53	TRANS	ISTOR D	TC114EN TC114EN	(
	C1467 C1471 C1472	1-126-101-11 1-164-004-11 1-164-004-11	ELECT 1 CERAMIC CHIP 0 CERAMIC CHIP 0	00MF .1MF .1MF	20% 10% 10%	16V 25V 25V	Q1421 Q1422 Q1423	8-729- 8-729- 8-729-	120-28 120-28 900-36	TRANS TRANS TRANS	ISTOR 2 ISTOR 2 ISTOR D	SC1623- SC1623- TC124E9	-L5L6 -L5L6 S		
	C1482 C1491	1-163-001-11 1-12 4- 90 7- 11	CERAMIC CHIP 2 ELECT 1	20PF OMF	10% 20%	50V 50V	JR1401 JR1402 JR1403	1-216- 1-216-	295-00 295-00	METAL METAL METAL	GLAZE GLAZE	0	5% 5%	1/10W 1/10W 1/10W	
		<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>R1401 R1402</td><td>1-216- 1-216-</td><td>097-00 073-00</td><td>METAL</td><td>GLAZE GLAZE</td><td>100K 10K</td><td>5% 5%</td><td>1/10W 1/10W 1/10W</td><td></td></con<>	NECTOR>				R1401 R1402	1-216- 1-216-	097-00 073-00	METAL	GLAZE GLAZE	100K 10K	5% 5%	1/10W 1/10W 1/10W	
	CN1514 CN1515 CN1516 CN1538	#1-568-879-51 #1-564-516-11 #1-568-879-51 #1-573-299-11	NECTOR> PIN, CONNECTOR PLUG, CONNECTO PIN, CONNECTOR CONNECTOR, BOA	4P R 13P 4P RD TO BOARD	10P		R1403 R1404 R1405 R1406 R1407	1-216-0 1-216-0 1-216-0 1-216-0	025-00 025-00 049-00 051-00 057-00	METAL METAL METAL METAL	GLAZE GLAZE GLAZE GLAZE GLAZE	100 100 1 K 1.2 K 2.2 K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
												470 150		1/10W 1/10W	
	D1401	8-719-105-91	DE> DIODE RD5.6M-B TER>	2			R1411 R1412	1-216-0	041-00	METAL	GLAZE GLAZE	470 470	5% 5% 5% 5%	1/10W 1/10W	
	DI 4.400	<fil< td=""><td>TER></td><td></td><td></td><td></td><td>R1413</td><td>1-216-0</td><td>041-00</td><td>METAL</td><td>GLAZE</td><td>470 470</td><td></td><td>1/10W 1/10W</td><td></td></fil<>	TER>				R1413	1-216-0	041-00	METAL	GLAZE	470 470		1/10W 1/10W	
	FL1403 FL1404 FL1405 FL1406 FL1407	1-236-071-11 1-236-071-11 1-236-071-11 1-236-071-11 1-236-071-11	TER> ENCAPSULATED COENCAPSULATED	OMPONENT OMPONENT OMPONENT OMPONENT OMPONENT			R1415 R1417 R1418 R1419	1-216-0 1-216-0 1-216-1 1-216-0	041-00 033-00 121-00 027-00	METAL METAL METAL METAL	GLAZE GLAZE GLAZE GLAZE	470 220 1M 120	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
	FL1408	1-236-071-11	ENCAPSULATED CO	OMPONENT			R1421 R1422	1-216-0)33-00)23-00	METAL	GLAZE GLAZE	220 82	5% 5%	1/10W 1/10W	
		<10>					R1425 R1426	1-216-0 1-216-0	041-00 041-00 041-00	METAL	GLAZE GLAZE GLAZE	470 470 470	5% 5% 5% 5%	1/10W 1/10W 1/10W	
	IC1401 IC1402 IC1403 IC1404	8-759-073-16 8-759-510-48 8-759-055-51	IC TDA9160 IC TDA4660T IC SDA9087XGEG IC SDA9089XGEG IC SDA9086-3				R1427 R1429 R1431 R1432 R1433	1-216-0 1-216-0 1-216-0 1-216-0 1-216-1	041-00 091-00 029-00 031-00 13-00	METAL METAL METAL METAL METAL	GLAZE GLAZE GLAZE GLAZE GLAZE	470 56K 150 180 470K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	IC1410	8-759-037-45	IC TDA8443A/C4 IC MC78L08ACPRI IC MC78L05ACPRI	p P				1-216-0 1-216-0 1-216-0 1-216-0 1-216-0		METAL METAL METAL METAL METAL	451156	82 12K 680 220 820	5%	1/10W 1/10W 1/10W 1/10W	
	1.101	<c01< td=""><td></td><td>=</td><td></td><td></td><td>R1439</td><td>1-216-0</td><td>57-00</td><td>METAL</td><td>GLAZE</td><td>2.2K</td><td></td><td>1/10W 1/10W</td><td></td></c01<>		=			R1439	1-216-0	57-00	METAL	GLAZE	2.2K		1/10W 1/10W	
	L1401 L1405 L1406	1-408-418-00 1-408-407-00 1-408-407-00	INDUCTOR	56UH 6.8UH 6.8UH			R1442 R1443	1-216-0 1-216-0 1-216-0 1-216-0	53-00 53-00	METAL METAL METAL METAL	GLAZE GLAZE	1.5K 1.5K 1.5K 470	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
	01401		NSISTOR>	1602 1516			R1446	1-216-0 1-216-0	79-00	METAL METAL	GLAZE	27K 18K	5% 5%	1/10W 1/10W	
	Q1401 Q1402 Q1403 Q1404 Q1405	8-729-120-28 8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28	TRANSISTOR 2SCI TRANSISTOR 2SCI TRANSISTOR 2SCI TRANSISTOR 2SAI TRANSISTOR 2SCI	1623-L5L6 1623-L5L6 1162-G			R1450 R1451	1-216-0 1-216-0 1-216-0 1-216-6	33-00 73-00	METAL METAL METAL	GLAZE GLAZE	220 220 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
	Q1406 Q1407 Q1408 Q1409	8-729-120-28 8-729-216-22	TRANSISTOR 2SCI TRANSISTOR 2SAI TRANSISTOR 2SAI TRANSISTOR 2SAI	1623-L5L6 1162-G 1162-G			R1453 R1454 R1455	1-216-0 1-216-0 1-216-0 1-216-0	25-00 25-00 81-00	METAL METAL METAL	GLAZE GLAZE GLAZE	39K 100 100 22K 47K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	Q1414 Q1414 Q1415	8-729-216-22	TRANSISTOR 25AI TRANSISTOR DTCI TRANSISTOR 25CI	1162-G 114EK			R1461 R1462 R1463	1-216-0 1-216-0 1-216-0 1-249-4 1-216-0	59-00 59-00 17-11	METAL METAL METAL CARBON METAL	GLAZE GLAZE	1K	5% 5%	1/10W 1/10W 1/10W 1/4W	
							R1481	1-216-0	97-00	METAL	GLAZE	100K	5% 5%	1/10W 1/10W	

V H1 H2 P

DDD NG DADW NG	DCCCDI DTION	REMARK	าน วอยา	DADT NO	DESCRIPTION			REMARK
REF.NO. PART NO.	DESCRIPTION	nemana						
<cry< td=""><td>STAL></td><td></td><td>10091</td><td>8-741-101-75</td><td>IC SBX1610-11</td><td></td><td></td><td></td></cry<>	STAL>		10091	8-741-101-75	IC SBX1610-11			
X02 1-567-495-11	OSCILLATOR, CRYSTAL		 	<res< td=""><td>ISTOR></td><td></td><td></td><td></td></res<>	ISTOR>			
	***************	************		1-249-413-11		470 5%		
*1-643-004-11	HI BOARD *******			************* *A-1622-005-A			******	********
<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>*********</td><td>****</td><td></td><td></td></cap<>	ACITOR>				*********	****		
C083 1-163-037-11 C087 1-163-037-11	CERAMIC CHIP 0.022MF CERAMIC CHIP 0.022MF	10% 25V 10% 25V			ACITOR>			
			! C1402	1-163-038-00 1-163-038-00 1-163-017-00	CERAMIC CHIP	0.1MF	10%	25V 25V 50V
	NECTOR> PLUG, CONNECTOR 13P		C1404	1-163-017-00 1-163-037-11 1-163-097-00	CERAMIC CHIP CERAMIC CHIP	0.022MF	10% 5%	25V 50V
			C1406	1-163-097-00 1-163-038-00	CERAMIC CHIP	15PF	5%	50V 25V
<ja0 J81 1-568-678-11</ja0 	TERMINAL BLOCK, S 3P		C1408	1-163-038-00 1-163-017-00 1-124-903-11	CERAMIC CHIP	0.0047MF 1MF	10% 20%	50V 50V
J82 1-562-837-11	JACK		C1410	1-163-038-00	CERAMIC CHIP	0.IMF		25V 25V
<00	IL>		C1412	1-163-038-00 1-163-038-00 1-163-121-00	CERAMIC CHIP	0.1MF 150PF	5%	25V 50V
L081 1-408-409-00 L082 1-408-409-00	INDUCTOR 10UH INDUCTOR 10UH		C1416	1-163-129-00 1-163-129-00	CERAMIC CHIP CERAMIC CHIP	330PF	5% 5%	50 V 50 V
<86	SISTOR>		C1420	1-164-005-11 1-163-038-00	CERAMIC CHIP	0.1MF		25V 25V
JR020 1-216-295-00	METAL GLAZE 0 5%	1/10W	C1421 C1422	1-163-038-00 1-163-038-00	CERAMIC CHIP	0.1MF 0.1MF		25V 25V 25V
JR021 1-216-295-00 R081 1-216-073-00 R082 1-216-065-00	METAL GLAZE 10K 5%	1/10W 1/10W 1/10W	!	1-163-038-00	CERAMIC CHIP	0.001MF	10%	50V
R083 1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	C1425 C1426	1-163-009-11 1-164-232-11	CERAMIC CHIP	0.001MF	10% 10% 20%	50V 50V 50V
R084 1-249-419-11 R085 1-249-419-11	CARBON 1.5K 5% 1.5K 5%	1/4W 1/4W	C1427 C1428	1-163-038-00	CERAMIC CHIP	0.1MF	20%	25 V
<sw< td=""><td>ITCH></td><td></td><td>! C1431</td><td></td><td>CERAMIC CHIP</td><td>0.01MF</td><td></td><td>25V 50V 50V</td></sw<>	ITCH>		! C1431		CERAMIC CHIP	0.01MF		25V 50V 50V
S081 1-571-532-21 S082 1-571-532-21	SWITCH, TACTIL SWITCH, TACTIL		1 (1433	1-163-031-11 1-163-038-00	CERAMIC CHIP	0.01MF		50V 25V
S083 1-571-532-21	SWITCH, TACTIL		C1435	1-163-038-00 1-163-038-00	CERAMIC CHIP	0.1MF		25V 25V
***************************************	**************************************	**********	C1437	1-164-343-11 1-163-005-11	CERAMIC CHIP	0.056MF 470PF	10% 10%	25V 50V
	******		!	1-164-005-11 1-164-005-11				25V 25V
*4-201-076-01 *4-374-987-01 *4-381-686-01	GUIDE, LIGHT BRACKET (B), LIGHT GUID	E	C1443	1-164-005-11 1-164-005-11	CERAMIC CHIP	100PF 0.47MF	5%	50V 25V
			C1445	1-164-005-11 1-164-005-11	CERAMIC CHIP	0.47MF		25V 25V
<cu CN1132*1-568-882-51</cu 	NNECTOR> PIN. CONNECTOR 7P		C1448	1-163-038-00 1-164-222-11	CERAMIC CHIP	0.22MF	-41	25V 25V
			C1450	1-163-257-11 1-164-005-11 1-163-038-00	CERAMIC CHIP	0.47MF	5%	50V 25V 25V
	ODE> DIODE LD-201VR		C1453	1-163-038-00	CERAMIC CHIP	0.1MF		25V
DO93 8-719-948-31	DIODE LD-201VR DIODE LD-201VR		C1455	1-163-038-00 1-163-133-00 1-163-133-00	CERAMIC CHIP	470PF	5% 5%	25V 50V 50V
<10	>		C1457	1-164-005-11	CERAMIC CHIP	0.47MF	J.,	257
			C1461	1-164-005-11	CERAMIC CHIP	U.47MF		25V

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

P F2 M

REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R1482 1-216-081-00	METAL GLAZE 22K	5% 1/10W		LF662 <u>A</u>	1-424-391-11	TRANSFORMER, L	INE FILTER		
R1483 1-216-097-00 R1484 1-216-083-00	METAL GLAZE 100K METAL GLAZE 27K	5% 1/10W 5% 1/10W		۵	1-424-436-11	(KV-E2	2531B, E2531D INE FILTER	, E2931B	, E2931D)
	METAL GLAZE 470 METAL GLAZE 220	5% 1/10W 5% 1/10W			1-421-862-11		(KV	-E3431B	, E3431D)
R1492 1-216-033-00	METAL GLAZE 4.7K METAL GLAZE 220	5% 1/10W 5% 1/10W				NSISTOR>			
R1494 1-216-174-00	METAL GLAZE 10K METAL GLAZE 100 METAL GLAZE 1.5K	5% 1/10W 5% 1/8W 5% 1/10W		Q661		TRANSISTOR 250	C1623-L5L6		
K1450 1 210 000 00	METAL GLAZE 4.7K	5% 1/10W			∠DEC	ISTOR>			
R1498 1-216-069-00	METAL GLAZE 470 METAL GLAZE 6.8K METAL GLAZE 1K			R663 A	1-244-945-91	CARBON	1M 5%	1/2W	
R1499 1-216-049-00	MEIAL GLAZE IN	J& 1/10#		R664 A	1-205-949-11	WIREWOUND (KV-E)	1.8 5% 25318,E2531D	10W , E2931B	,E2931D)
<crys< td=""><td></td><td></td><td></td><td>A</td><td><u> 1-202-968-11</u></td><td>WI REWOUND</td><td>1.2 5% (KV</td><td>10W -E3431B</td><td>,E3431D)</td></crys<>				A	<u> 1-202-968-11</u>	WI REWOUND	1.2 5% (KV	10W -E3431B	,E3431D)
X1401 I-567-505-11 X1402 I-567-504-11	OSCILLATOR, CRYSTAL OSCILLATOR, CRYSTAL			R665 ₫	1-218-265-91 1-249-405-11	CARBON	8.2M 5% 100 5% 12K 5%	1W 1/4W	F
************		*********	*******	R667	1-249-430-11 1-249-434-11	CARBON CARBON	12K 5% 27K 5% 1.8 5%	1/4W 1/4W 10W	
*A-1624-010-A	F2 BOARD, COMPLETE	E0E310 E0031	n E2031D\	1	1-205-949-11		2531B, E2531I		, E2931D)
*A-1624-012-A	F2 BOARD, COMPLETE	, E2531D, E2931 (KV-E3431B, E	3431D)	4	<u>k</u> 1-202-968-11	WIREWOUND	1.2 5% (K)	10W /-E3431B	, E3431D)
*4-341-751-01	EYELET			R670 A	1-202-968-11	WIREWOUND	1.2 5% (K)	10W /-E3431E	, E3431D)
*4-341-752-01	EYELET			R671	1-249-415-11	CARBON	680 5%	1/4W	F
<cap#< td=""><td>ACITOR></td><td></td><td></td><td></td><td><re1< td=""><td>AY></td><td></td><td></td><td></td></re1<></td></cap#<>	ACITOR>				<re1< td=""><td>AY></td><td></td><td></td><td></td></re1<>	AY>			
	FILM U.33M	F 20%	300V 300V	RY661	<u>A</u> 1-515-720-31	RELAY			
C664 A 1-164-246-51 C666 1-124-120-11 C667 1-126-233-11	CERAMIC 0.002 ELECT 220MF ELECT 22MF		400V 25V 50V		HT>	ERMISTOR>			
C672 A 1-161-964-61	CERAMIC 0.004	7NF	250V	THP66	1 1-809-827-1	THERMISTOR,	POSITIVE		
C673 A 1-161-964-61	CERAMIC U.UU4		250V 400V		*********	***********	********	******	*******
₾ 1-125-555-11	ELECT 330MF	20%	400V		*A-1635-001-A	M BOARD, COMP	PLETE *****		
		(KV-E343	1B,E3431D)	< C A	PACITOR>			
<con< td=""><td>NECTOR></td><td></td><td></td><td>C001</td><td>1-163-117-00</td><td>CERAMIC CHIP</td><td>100PF</td><td>5%</td><td>50V</td></con<>	NECTOR>			C001	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
CN0005*1-508-765-00 CN0007*1-508-786-00	PIN, CONNECTOR (5M PIN, CONNECTOR (5M	M PITCH) 3P M PITCH) 2P		C003 C007	1-163-117-00 1-163-117-00	CERAMIC CHIP	100PF	5% 5% 5%	50V 50V 50V
CN0924*1-568-878-51 CN0925*1-695-294-11	PIN, CONNECTOR 3P PIN. CONNECTOR (PC	BOARD) 6P		C008 C010	1-163-117-00 1-163-117-00		100PF	5% 5%	50V
CN0929*1-508-766-00 CN0931*1-691-291-11				C011 C012	1-163-117-00 1-163-117-00	CERAMIC CHIP	100PF	5% 5% 5%	50V 50V
		, , , , , ,		C014 C016	1-163-117-00 1-163-141-00	CERAMIC CHIP	0.001MF	5% 5%	50V 50V 16V
<d10< td=""><td></td><td></td><td></td><td>C018</td><td>1-164-505-11 1-126-233-11</td><td>ELECT</td><td>22MF</td><td>20%</td><td>50V</td></d10<>				C018	1-164-505-11 1-126-233-11	ELECT	22MF	20%	50V
D661 8-719-911-19 D662 8-719-400-18 D663 A 8-719-510-63	DIODE MAISZWK			C032 C035	1-163-117-00 1-163-037-11	CERAMIC CHIP CERAMIC CHIP	0.022MF	5% 10%	50V 25V
D664 8-719-921-69	DIODE MTZJ-9.1			C036 C037	1-164-005-11 1-163-117-00			5%	25V 50V
<tr#< td=""><td>ANSFORMER></td><td></td><td></td><td>C501 C502</td><td>1-163-020-00 1-164-232-11</td><td>CERAMIC CHIP</td><td>0.01MF</td><td>10% 10%</td><td>50V 50V</td></tr#<>	ANSFORMER>			C501 C502	1-163-020-00 1-164-232-11	CERAMIC CHIP	0.01MF	10% 10%	50V 50V
LF661 <u>A</u> 1-424-391-11	(KV-E2531)	8.625310.6293	31B,E2931D	C503	1-13 7 -123-91 1-13 7 -025-91	FILM FILM	0.0033MF 0.56MF	5% 10%	63V 63V
<u>∧</u> 1-424-436-11	TRANSFORMER, LINE	(KV-E34	31B, E3431)					



REF. N	D. PART NO.	DESCRIPTION		REMARK	REF.NO	. PART NO.	DESCRIPTIO	DN .		RENARK
C505 C506 C507 C508 C509	1-162-568-11	CERAMIC CHIP 0.22MF	20% 10% 10% 10% 10%	50V 16V 16V 50V 25V	1C562 1C563	8-759-998-98 8-759-081-30	IC MC78L05/	ACPRP		
C510 C511 C512 C513 C514	1-124-925-11 1-137-102-11 1-126-103-11 1-163-209-00 1-163-105-00	FILM 0.022MF ELECT 470MF CERAMIC CHIP 0.0015MF	20% 10% 20% 5%	50V 250V 16V 50V 50V	L001 L501 L561 L562 L563	1-408-421-00 1-410-119-11 1-408-409-00 1-408-409-00 1-408-947-00	INDUCTOR INDUCTOR INDUCTOR	100UH 1MMH 10UH 10UH 2.2MMH		
C515 C519 C522 C523 C531	1-163-009-11 1-164-161-11 1-163-141-00 1-163-141-00 1-164-493-11	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.0022MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.047MF	10% 10% 5% 5% 10%	50V 50V 50V 50V 50V	Q002 Q003	<tr 8-729-216-22 8-729-120-28</tr 	ANSISTOR> TRANSISTOR TRANSISTOR	25A1162-G 25C1623-1516		
C532 C538 C541 C542	1-164-489-11 1-164-489-11 1-164-232-11	CERANIC CHIP 0.22MF CERANIC CHIP 0.22MF CERANIC CHIP 0.01MF CERANIC CHIP 0.022MF	10% 10% 10% 10%	16V 16V 50V 25V	Q501 Q502 Q503 Q508	8-729-901-01 8-729-120-28 8-729-901-01 8-729-901-01	TRANSISTOR TRANSISTOR TRANSISTOR	DTC144EK 2SC1623-L5L6 DTC144EK		
C543 C544 C546 C547	1-164-161-11 1-164-161-11 1-164-004-11	CERAMIC CHIP 0.0022MF CERAMIC CHIP 0.0022MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.0082MF	10% 10% 10% 10%	50V 50V 25V 50V	Q509 Q564 Q565 Q566	8-729-120-28 8-729-216-22 8-729-120-28 8-729-120-28	TRANSISTOR TRANSISTOR TRANSISTOR	2SC1623-L5L6 2SA1162-G 2SC1623-L5L6		
C549 C550	1-163-989-11 1-163-141-00	CERAMIC CHIP O OBBME	10%	25V 50V	Q567	8-729-901-01	TRANSISTOR	DTC144EK		
C552 C559 C560	1-164-004-11	CERANIC CHIP 0.022MF CERANIC CHIP 0.1MF	10%	25V 25V			SISTOR>			
C563 C564	1-163-031-11 1-163-031-11	CERAMIC CHIP 0.0022MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF		50V 50V 50V	KOOT	1-216-295-00 1-216-296-00 1-216-025-00	METAL GLAZE	0 5% 0 5% 100 5% 100 5% 1K 5%	1/10W 1/8W 1/10W	
C565 C566 C567	1-163-031-11 1-163-031-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.001MF		50V 50V	R002 R003	1-216-025-00 1-216-049-00	METAL GLAZE METAL GLAZE	100 5% 1K 5%	1/10W 1/10W	
C568 C569	1-103-009-11	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.0022MF	10% 10% 10%	50V 50V 50V	R006 R007 R008	1-216-073-00 1-216-049-00	METAL GLAZE	1K 5% 10K 5% 1K 5% 1K 5% 1K 5%	1/10W 1/10W 1/10W	
C570	1-162-568-11	CERANIC CHIP 0.33MF	10%	167	R011	1-216-049-00			1/10W 1/10W	
CDA 0.1		TER>			R012 R014 R015	1-216-049-00 1-216-049-00 1-216-296-00	METAL GLAZE	1K 5% 1K 5% 0 5%	1/10W 1/10W 1/8W	
CDOOT		VIBRATOR, CERAMIC			R016	1-216-045-00 1-216-049-00	METAL GLAZE	680 5% 1K 5%	1/10W 1/10W	
CN1406	CON> 5*1-568-880-61	NECTOR> PIN, CONNECTOR 5P			RUZU	1-216-041-00 1-216-049-00	METAL GLAZE	1K 5%	1/10W 1/10W	
CN1413 CN1426 CN1432	3 1-695-301-11 3*1-568-881-51 3*1-568-882-51	CONNECTOR, BOARD TO BOAR PIN, CONNECTOR 6P PIN, CONNECTOR 7P	D 40P		R025	1-216-065-00 1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5X 1K 5X 1K 5X	1/10W 1/10W 1/10W	
CN1441	*1-564-511-11	PLUG, CONNECTOR 8P			R030	1-216-075-00 1-216-049-00	METAL GLAZE	12K 5% 1K 5%	1/10W 1/10W	
D001	<dio< td=""><td>DE> DIODE MA3039H-TX</td><td></td><td></td><td>R033</td><td>1-216-049-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>1K 5% 1K 5% 2.2K 5%</td><td>1/10W 1/10W 1/10W</td><td></td></dio<>	DE> DIODE MA3039H-TX			R033	1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 1K 5% 2.2K 5%	1/10W 1/10W 1/10W	
D501 D503 D504 D510	8-719-800-76 8-719-401-31 8-719-400-18	DIODE 1SS226 DIODE MA3047L-TX DIODE MA152WK DIODE RD5.6M-B2			R049 R050	1-216-073-00 1-216-049-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 5% 10K 5% 1K 5% 10K 5% 22K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	<1C>				R052	1-216-073-00	METAL GLAZE		1/10W	
	*1-540-123-11 8-759-097-29	IC SDA30C162 SOCKET, IC 68P; IC001 IC M27C512-20B1-AE-24 IC TDA2595/V9			R054 R055	1-216-081-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5X 4.7K 5X 22K 5X 22K 5X 330 5X	1/10W 1/10W 1/10W 1/10W	
10561	8-752-347-92	IC CXD2018Q			R068 R069	1-216-037-00 1-216-037-00	METAL GLAZE METAL GLAZE	330 5% 330 5%	1/10W 1/10W	



REF. NO	. PART NO.	DESCRIPTION				REMARK	REF. NO.	PART NO.	DESCRIPTIO			REMARK
4712 4713 4714	8-729-120-28 8-729-216-22 8-729-255-12		SA1162-	-G			R758 R759 R760	1-249-419-11 1-249-419-11 1-249-419-11	CARBON	1.5K 5% 1.5K 5% 1.5K 5%	1/4W 1/4W 1/4W	
	<res< td=""><td>SISTOR></td><td></td><td></td><td></td><td></td><td></td><td><va.< td=""><td>RIABLE RESIST</td><td>np></td><td></td><td></td></va.<></td></res<>	SISTOR>						<va.< td=""><td>RIABLE RESIST</td><td>np></td><td></td><td></td></va.<>	RIABLE RESIST	np>		
JR701 JR703 R701 R702 R703	1-216-296-00 1-216-296-00 1-202-848-00 1-202-838-00 1-202-838-00	SOLID SOLID	0 680K 100K 100K	10%	1/8W 1/8W 1/2W 1/2W 1/2W		1	1-230-641-11 1-241-656-11	RES, ADJ, M RES, ADJ, M	ETAL GLAZE 2 ETAL FILM 11	OM	******
R704 R705	1-202-842-11 1-216-398-11	SOLID METAL OXIDE	220K	10% 5%	1/2₩	r		*A-1640-083-A			E3431B,	E3431D)
R706 R710 R711	1-216-398-11 1-215-899-11 1-202-820-11	METAL OXIDE METAL OXIDE SULID	5.6 5.6 15K 1.5K	5% 5% 20%	3W 2W 1/2W			*4-341-751-01 *4-341-752-01 4-382-854-11	CICLEI (CI)	,EY2) ,EY4))	
R712 R713 R714	1-215-899-11 1-202-820-11 1-215-899-11	METAL OXIDE SOLID METAL OXIDE	15K 1.5K 15K	5% 20% 5%	1/2W	F F	<u> </u>	∠CA1	PACITOR>			
R715 R716	1-202-820-11 1-247-700-11	SOLID CARBON	1.5K 100	20% 5%	1/2W 1/4W		C1610	1-137-052-91		0.047MF	10%	400V
R717 R718 R720 R722	1-249-405-11 1-247-700-11 1-249-417-11 1-247-713-11	CARBON CARBON	100 100 1 K 1 K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	F F	C1614 C1615 C1616	1-137-104-11 1-124-903-11 1-137-038-91 1-137-124-91	FILM ELECT FILM	0.033MF 1MF 0.001MF 0.0047MF	10% 20% 10% 5%	250V 50V 400V 63V
R724	1-249-417-11	CARBON	1 K	5%	1/4W	F	C1622	1-137-051-91 1-124-557-11	ELECT	0.033MF 1000MF	10% 20%	400V 25V
R725 R726 R727 R728	1-216-063-00 1-216-063-00 1-216-063-00 1-216-039-00	METAL GLAZE METAL GLAZE METAL GLAZE	3.9K 3.9K 3.9K 390	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		C1801 C1802	1-137-052-91 1-124-910-11 1-124-910-11	ELECT	0.047MF 47MF 47MF	10% 20% 20%	400V 50V 50V
R729 R730	1-216-039-00 1-216-039-00		390 390		1/10W		C1805	1-137-126-91 1-137-132-91 1-137-132-91	FILM	0.01MF 0.1MF 0.1MF	5% 5% 5%	63V 63V 63V
R731 R732 R733 R734	1-216-017-00 1-216-017-00 1-216-017-00 1-202-549-00	METAL GLAZE METAL GLAZE METAL GLAZE SOLID	47 47 47 100	5% 5% 5% 5% 20%	1/10W 1/10W 1/10W 1/10W		C1807 C1809	1-124-360-00 1-136-104-00 1-137-028-11	ELECT Film	1000MF 0.16MF	20% 5%	16V 200V
R735 R738	1-216-049-00 1-216-025-00	METAL GLAZE	1 K	5%	1/10W		C1811 C1812	1-162-318-11 1-124-927-11	CERAMIC ELECT	1MF 0.001MF 4.7MF	10% 10% 20%	63V 500V 50V
R739 R740	1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE	100 100 100	5% 5% 5%	1/10W 1/10W 1/10W		C1814	1-137-130-91 1-124-907-11	FILM ELECT	0.047MF 10MF	5% 20%	63V 50V
R741 R742	1-216-089-00		47K O	5% 5%	1/10W 1/10W		C1815 C1816	1-124-907-11 1-126-233-11 1-124-927-11	ELECT ELECT	10MF 22MF 4.7MF	20% 20% 20%	50V 50V 50V
R743 R747	1-249-434-11 1-216-488-11	CARBON METAL OXIDE	27K 18K	5% 5%	1/4W 3W	F	01010	1-124-910-11 1-137-132-91	LLLCI	47MF 0.1MF	20% 5%	50V 50V 63V
R749 R751	1-215-926-00 1-216-489-11	METAL OXIDE	33K 27K	5% 5%		F F		1-126-103-11 1-137-043-11		470MF 0.0047MF	20% 10%	16V 400V
R753 R755	1-216-073-00 1-216-069-00	METAL GLAZE METAL GLAZE	10K 6.8K	5% 5%	1/10W 1/10W	205242	01022			0.0047111	10%	4007
	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	,E2531D) .E2931D)	CN0607	CUN 1-568-879-51∗	NECTOR>	rnr 4p		
	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	,	CN0622 CN0630	*1-564-512-11 *1-568-878-51	PLUG, CONNECT	CTUR 9P FOR 3P		
R756	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	, E3431D) , E2531D)	CII	*1-508-765-00	PIN, CUNNECT	TUR (5MM PITC	JH) 3P	
	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W			<010				
	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	E2931D)	D1603		DIODE RGP10J	IPKG23		
R757	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	E3431D) E2531D)	D1801 D1802 D1803	8-719-981-01 8-719-911-19 8-719-911-19	DIODE ERA81- DIODE ISSII9 DIODE ISSII9)		
	1-216-057-00	METAL GLAZE	2.2K	(KV		E2931D)	D1804 D1805	8-719-911-19 8-719-801-35				
	1-216-065-00	METAL GLAZE	4.7K		1/10W -E3431B,	E3431D)						



REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMAR
R070 R501	1-216-037-00 1-216-047-00	METAL GLAZE METAL GLAZE	330 820	5%	1/10W 1/10W		 	*A-1638-026-A	C BOARD, COM	PLETE (KV-E3	431B,E3	3431D)
R502	1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 5.6K 1.5K	5% 5% 5%	1/10W 1/10W 1/10W		1	*4-341-752-01	EYELET (EY1~	EY4)		
R505	1-216-075-00 1-216-049-00	METAL GLAZE METAL GLAZE	12K 1K	5%	1/10W 1/10W			<cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<>	ACITOR>			
R506 R507 R509 R510	1-216-099-00 1-216-039-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	120K 390 10K	5% 5% 5%	1/10W 1/10W 1/10W		C701 C703 C704 C705	1-162-114-00 1-123-946-00 1-130-202-00 1-162-116-00	ELECT FILM CERAMIC	0.0047MF 4.7MF 0.022MF 680PF	20% 5% 10%	2KV 250V 400V 2KV
R511 R512 R513 R514	1-216-097-00 1-216-049-00 1-216-230-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 1K 22K 3.3K	5% 5%	1/10W 1/10W 1/8W 1/10W 1/10W		C708 C709 C710 C711	1-163-197-00 1-163-005-11 1-163-005-11 1-101-880-00	CERAMIC CHIP		10% 10% 5%	50V 50V 50V 50V
R515 R516	1-216-049-00	METAL GLAZE METAL GLAZE	390		1/10W		C712 C713	1-163-121-00 1-163-121-00	CERAMIC CHIP CERAMIC CHIP	150PF	5% 5%	50V 50V
R517 R518 R519 R520	1-216-039-00 1-216-075-00 1-216-033-00 1-216-093-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	390 12K 220 68K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		C714 C716	1-163-121-00 1-124-122-11	CERAMIC CHIP ELECT	150PF 100MF	5% 20%	50V 50V
R521 R522	1-216-053-00 1-216-085-00	METAL GLAZE METAL GLAZE	1.5K	5% 5%	1/10W 1/10W				NECTOR>			
R523 R524 R525	1-216-065-00 1-216-063-00 1-216-093-00	METAL GLAZE METAL GLAZE METAL GLAZE	33K 4.7K 3.9K 68K	5% 5% 5%	1/10W 1/10W 1/10W		L UNDAD	2*1-508-786-00 3*1-564-511-11 1*1-508-768-00	PLUG. CONNEC	TOR 8P		
R526 R527	1-216-053-00 1-216-071-00	METAL GLAZE	1.5K 8.2K	5% 5%	1/10W 1/10W			<010	DE>			
R528 R529 R531	1-216-049-00	METAL GLAZE METAL CHIP METAL GLAZE	1 K 75 K 33 K	5%	1/10W 1/10W 1/10W		D701 D702 D703	8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119 DIODE 188119			
R532 R533	1-249-427-11 1-216-105-00	METAL GLAZE	6.8K 220K 2.2K 2.2K	5% 5%	1/4W 1/10W		D704 D705	8-719-911-19 8-719-911-19	DIODE ISSI19 DIODE ISSI19			
R535 R536 R538	1-216-057-00 1-216-025-00	METAL GLAZE METAL GLAZE	100	34	1/10W 1/10W 1/10W		D706 D707 D708	8-719-911-19 8-719-911-19	DIODE ISS119 DIODE ISS119 DIODE ISS119			
R539 R540	1-216-657-11 1-216-295-00 1-216-049-00	METAL GLAZE	Ω	0.50% 5%	1/10W 1/10W 1/10W		D709 D710	8-719-911-19	DIODE 1SS119 DIODE 1SS119			
R541 R542 R544	1-216-045-00 1-216-085-00	METAL GLAZE	100 33K	5% 5% 5%	1/10W 1/10W		D713	8-719-911-55	DIODE UOSG			
R545 R546	1-216-033-00	METAL GLAZE	220 3.3K	5% 5%	1/10W 1/10W			<ja< td=""><td></td><td></td><td></td><td></td></ja<>				
R547 R551	1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE	1 K 1 K	5% 5%	1/10W 1/10W		J701	1-526-990-11	SOCKET, PICT	OKE TUBE		
R552 R553	1-216-097-00	METAL GLAZE	100K	5%	1/10W 1/10W			<c0< td=""><td></td><td></td><td></td><td></td></c0<>				
R559 R560 R564 R565	1-216-049-00 1-216-073-00 1-216-091-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	1 K 10 K 56 K 4.7 K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		L701 L703 L705 L707	1-410-667-31 1-408-609-41 1-408-609-41 1-408-609-41	INDUCTOR INDUCTOR	22UH 33UH 33UH 33UH		
R566	1-216-073-00 1-216-085-00		10K 33K	5% 5%	1/10W 1/10W			<tr< td=""><td>ANSISTOR></td><td></td><td></td><td></td></tr<>	ANSISTOR>			
R567 R568 R570	1-216-109-00 1-216-049-00	METAL GLAZE	330K 1K	5% 5%	1/10W 1/10W		9701	8-729-906-70	TRANSISTOR I	3F871		
		RIABLE RESISTO					Q702 Q703 Q704 Q705	8-729-906-70 8-729-906-70 8-729-906-70	TRANSISTOR I	BF871 BF871		
	1-241-766-21				*****	******	9706 9707	8-729-906-70 8-729-200-17				
****	*A-1638-027-A	C BOARD, CO	PLETE	(KV-E2	531B,E2	531D)	9708 9709 9710	8-729-200-17 8-729-200-17	TRANSISTOR :	2SA1091-0 2SA1091-0		
	*A-1638-025-A	C BOARD, CO	PLETE	(KV-E29	931B,E2	9310)	Q711	8-729-120-28	TRANSISTOR	2SC1623-L5L6		



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	. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
	<010	DDE>				C918 C919 C920	1-163-133-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	470PF	5% 5% 10%	50V 50V 50 V
D261 D262 D270	8-719-911-19 8-719-921-69	DIODE ISSI19 DIODE ISSI19 DIODE MTZJ-9.	1			C921 C922 C923 C924 C925	1-124-477-11	CERAMIC CHIP ELECT	47MF	10% 20% 20% 20%	50V 16V 16V 16V 16V
	<10>	•				1				20%	
I C2 7 0	8-759-072-99 4-201-023-01 4-812-134-00	IC TDA2052 SPACER, INSUL RIVET NYLON,	ATING; 10 3.5; 102	C2 7 0 70		C926 C927 C928 C929 C930	1-164-346-11 1-124-477-11 1-124-477-11 1-124-477-11 1-124-477-11	ELECT ELECT	1 MF 47 MF 47 MF 47 MF 47 MF	20% 20% 20% 20%	16V 16V 16V 16V 16V
	<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td>C931</td><td></td><td>CERANIC CHIP</td><td></td><td></td><td>167</td></tra<>	NSISTOR>				C931		CERANIC CHIP			167
Q27 0	8-729-120-28	TRANSISTOR 2S	C1623-L5I	-6		C932 C933 C934 C935	1-164-346-11 1-124-477-11 1-124-477-11 1-124-477-11	ELECT	1 MF 47 MF 47 MF 47 MF	20% 20% 20%	16V 16V 16V 16V
	<res< td=""><td>SISTOR></td><td></td><td></td><td></td><td>(</td><td></td><td></td><td></td><td></td><td></td></res<>	SISTOR>				(
R269 R270 R271 R272	1-216-041-00 1-216-085-00 1-216-085-00 1-216-077-00	METAL GLAZE METAL GLAZE	470 57 33K 57 33K 57 15K 57	1/100 1/100 1/100 1/100	J J	C936 C937 C938	1-164-346-11 1-164-346-11 1-124-477-11	CERAMIC CHIP CERAMIC CHIP ELECT	INF INF 47NF	20%	16V 16V 16V
R273	1-216-073-00	METAL GLAZE	10k 5	1/10			<c01< td=""><td>INECTOR></td><td></td><td></td><td></td></c01<>	INECTOR>			
R274 R275 R276 R277	1-216-081-00 1-216-047-00 1-216-081-00 1-217-477-00	METAL GLAZE METAL GLAZE FUSIBLE	22K 52 820 52 22K 52 4.7 52 68K 52	1/10% 1/10% 1/10% 1/10%	F	CN1209 CN1210: CN1233:	1-695-302-11 *1-564-522-11 *1-564-518-11	CONNECTOR, BO PLUG, CONNECT PLUG, CONNECT	DARD TO BOAR FOR 7P FOR 3P	D 50P	
R278	1-216-093-00		68K 52	1/10%)		<010	IDE>			
R279 R280 R281	1-216-065-00 1-216-073-00 1-247-752-11	METAL GLAZE	4.7K 52 10K 52 1K 52	1/10W 1/10W 1/2W		D902	8-719-921-69 8-719-921-69	DIODE MTZJ-9. DIODE MTZJ-9. DIODE MTZJ-9.	1		
*****	***********	***********	******	*******		D904	8-719-921-69	DIODE MTZJ-9.	1		
	*A-1651-033-A	J BOARD, COMPE	ETE			D905	8-719-921-69	DIODE MTZJ-9.	I		
	*A-1651-039-A	(KV-EZ J BOARD, COMPL	2531B, E25 ETE (KV-	31D, E2931 E3431B, E3	B,E2931D) 431D)	D908	8-719-921-69 8-719-921-69	DIODE MTZJ-9. DIODE MTZJ-9. DIODE MTZJ-9. DIODE MTZJ-9. DIODE MTZJ-9.	1 1 I		
	<cap.< td=""><td>ACITOR></td><td></td><td></td><td></td><td>D911</td><td>8-719-921-69</td><td>DIODE MTZJ-9.</td><td>1</td><td></td><td></td></cap.<>	ACITOR>				D911	8-719-921-69	DIODE MTZJ-9.	1		
C281 C291 C292 C295	1-124-442-00 1-101-005-00 1-101-005-00 1-163-009-11	CERAMIC	30MF 0.022MF 0.022MF	20% 10%	6.3V 50V 50V 50V	D912 D913 D914	8-719-921-69	DIODE MTZJ-9. DIODE MTZJ-9. DIODE MTZJ-9.	1 1 1		
C296	1-163-009-11	CERAMIC CHIP		10%	50V	D916	8-719-921-69	DIODE MTZJ-9.			
C298 C901 C902 C904 C905	1-163-017-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP 4 CERAMIC CHIP 4	.0047MF	10% 10% 5%	50V 50V 50V 50V	D919 D920	8-719-921-69 8-719-921-69 8-719-921-69 8-719-921-69	DIODE MTZJ-9. DIODE MTZJ-9. DIODE MTZJ-9. DIODE MTZJ-9.	1 1 1		
C906 C907 C908 C909	1-101-004-00 1-163-133-00 1-163-133-00	CERAMIC CHIP 4 CERAMIC CHIP 4	.01MF 70PF 70PF	5% 5%	50V 50V 50V 50V	D923 D924	8-719-921-69 8-719-921-69 8-719-921-69 8-719-921-69 8-719-921-69	DIODE MTZJ-9. DIODE MTZJ-9. DIODE MTZJ-9. DIODE MTZJ-9. DIODE MTZJ-9.	1 1 1		
C910	1-101-004-00 1-163-017-00	CERAMIC CHIP O	.01MF .0047MF	10%	50V 50V	D926	8-719-921-69	DIODE MTZJ-9.	1		
C911 C912 C913 C914	1-163-133-00 1-163-133-00 1-163-121-00	CERAMIC CHIP 4 CERAMIC CHIP 4 CERAMIC CHIP I	70PF 70PF 50PF	10% 5% 5% 5% 5%	50V 50V 50V 50V	D927	8-719-921-69	DIODE MTZJ-9. DIODE MTZJ-9. K>			
C915	1-163-121-00	CERAMIC CHIP 1	50PF	5%	500	J901	1-695-296-11		v c		
C916 C917	1-163-017-00 1-163-017-00	CERAMIC CHIP O		10% 10%	50V 50V	J903	1-561-534-41 1-695-296-11	TERMINAL BLOCK SOCKET 21P TERMINAL BLOCK			



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK																																																																																																																														
D1809 8-719-911-19 D1810 8-719-911-19	DIODE ERA81-004 DIODE ERA81-004 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		R1808 R1809 R1810 R1811 R1812	1-215-461-00 1-249-423-11 1-249-413-11 1-216-083-00 1-216-091-00	METAL CARBON CARBON METAL GLAZE METAL GLAZE	47K 1% 3.3K 5% 470 5% 27K 5% 56K 5%	1/4W 1/4W 1/4W 1/10W																																																																																																																															
D1811 8-719-300-33 D1812 8-719-911-19	DIODE RU-3AM DIODE 1SS119		R1813 R1815	1-249-417-11 1-216-069-00	METAL GLAZE	1K 5% 6.8K 5% 4.7K 5%	1/4W 1/10V 1/10V																																																																																																																															
<1C>			R1817 R1818	1-216-065-00 1-216-061-00 1-216-049-00	METAL GLAZE METAL GLAZE	3.3K 5%	1/10V 1/10V	J																																																																																																																														
1C1802 8-752-052-88 1C1803 8-759-135-80	IC LM393P IC SI-3090CA EYELET; IC1801 IC CXA1526P IC UPC358C		R1820 R1821 R1822 R1824 R1825	1-249-417-11 1-216-379-11 1-249-423-11 1-247-713-11 1-215-857-71	CARBON METAL OXIDE CARBON CARBON METAL OXIDE	1K 5% 6.8 5% 3.3K 5% 1K 5% 10 5%	1/4W 2W 1/4W 1/4W 1/4W	F																																																																																																																														
<001	L>		R1826 R1827	1-249-404-00 1-215-875-71	CARBON METAL OXIDE	82 5% 10K 5% 100K 5%	1/4W 1W	F																																																																																																																														
L1601 1-410-093-11 L1603 1-459-087-00 L1604 1-459-104-00	L> INDUCTOR 33MMH COIL, HCC DUST CORE 3.9MMH COIL, DUST CORE COIL EYELET; L1607 COIL (WITH CORE) (PMC) COIL, HCC DUST CORE 3.9MMH		R1828 R1829 R1830	1-249-441-11 1-249-414-11 1-249-411-11	CARBON CARBON CARBON	100K 5% 560 5% 330 5%	1/4W 1/4W 1/4W																																																																																																																															
*4-341-751-01	EYELET; L1607		R1831 R1832	1-249-426-11 1-215-885-00	CARBON METAL OXIDE	5.6K 5% 68 5% 22K 5%	1/4W 2W 1/10																																																																																																																															
L1801 1-459-592-11 L1802 1-459-087-00	COIL, HCC DUST CORE 3.9MMH		R1835 R1836	1-249-393-11 1-249-435-11	CARBON CARBON	10 5% 33K 5%	1/4W 1/4W																																																																																																																															
<tr <="" td=""><td>ANSISTOR></td><td></td><td>R1837 R1838</td><td>1-249-435-11 1-216-379-11</td><td>CARBON METAL OXIDE</td><td>33K 5% 6.8 5% 270 5%</td><td>1/4W 2W</td><td></td></tr> <tr><td>Q1610 8-729-119-78 Q1613 8-729-011-02 Q1802 8-729-173-38 Q1803 8-729-173-78</td><td>COIL (WITH CORE) (PMC) COIL, HCC DUST CORE 3.9MMH ANSISTOR> TRANSISTOR 2SC2785-HFE TRANSISTOR 2SK1917 TRANSISTOR 2SK733-K TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE</td><td></td><td>R1839 R1840 R1841</td><td>1-249-410-11 1-249-429-11 1-249-437-11</td><td>CARBON CARBON CARBON</td><td>270 5% 10K 5% 47K 5%</td><td>1/4W 1/4W 1/4W</td><td></td></tr> <tr><td>Q1804 8-729-119-78</td><td>TRANSISTOR 2SC2785-HFE</td><td></td><td>R1842 R1843</td><td>1-249-429-11 1-249-421-11</td><td>CARBON CARBON</td><td>10K 5% 2.2K 5% 10K 5%</td><td>1/4W 1/4W 1/4W</td><td></td></tr> <tr><td>Q1805 8-729-140-97 Q1806 8-729-119-78 Q1807 8-729-140-97 Q1808 8-729-173-38</td><td>TRANSISTOR 258734-34 TRANSISTOR 25C2785-HFE TRANSISTOR 25B734-34 TRANSISTOR 25A733-K</td><td></td><td>R1847 R1848</td><td>1-249-429-11 1-216-065-00 1-249-429-11</td><td>METAL GLAZE CARBON</td><td>4.7K 5% 10K 5%</td><td>1/10 1/4W</td><td>(i)</td></tr> <tr><td>Q1809 8-729-209-15</td><td>TRANSISTOR 2SD2012</td><td></td><td>R1849</td><td>1-216-065-00</td><td>METAL GLAZE</td><td>4.7K 5%</td><td>1/10</td><td></td></tr> <tr><td>Q1811 8-729-119-78 Q1812 8-729-119-78 Q1813 8-729-119-78</td><td>TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE</td><td></td><td></td><td>*1-643-003-11 4-200-001-01</td><td>K BOARD</td><td></td><td></td><td></td></tr> <tr><td><re:< td=""><td>SISTOR></td><td></td><td></td><td>4-200-001-01</td><td>HOLDER, IC</td><td></td><td></td><td></td></re:<></td></tr> <tr><td>JR1 1-216-295-00 JR2 1-216-295-00</td><td>METAL GLAZE 0 5% METAL GLAZE 0 5%</td><td>1/10W 1/10W</td><td></td><td></td><td>PACITOR></td><td></td><td></td><td></td></tr> <tr><td>R1625 1-249-415-11 R1628 1-216-057-00 R1629 1-249-429-11</td><td>CARBON 680 5% METAL GLAZE 2.2K 5%</td><td>1/4W 1/10W 1/4W</td><td>C268 C269 C270</td><td>1-163-005-11 1-101-006-00 1-163-024-00</td><td>CERAMIC CHIP</td><td>0.047MF 0.018MF</td><td>10% 10%</td><td>50V 50V 50V</td></tr> <tr><td>R1630 1-249-435-11 R1631 1-216-057-00</td><td>CARBON 33K 5%</td><td>1/4W 1/10W</td><td>C271 C272</td><td>1-164-492-11 1-126-233-11</td><td>CERAMIC CHIP BLECT</td><td>0.15MF 22MF</td><td>10% 20%</td><td>16V 50V</td></tr> <tr><td>R1632 1-249-436-11 R1633 1-249-421-11 R1634 1-216-097-00</td><td>CARBON 2.2K 5%</td><td>1/4W 1/4W 1/10W</td><td>C273 C274 C275</td><td>1-124-618-11 1-124-618-11 1-164-505-11</td><td>ELECT CERAMIC CHIP</td><td>2200MF 2200MF 2.2MF</td><td>20% 20%</td><td>35V 35V 16V</td></tr> <tr><td>R1635 1-216-073-00 R1636 1-216-073-00</td><td>METAL GLAZE 10K 5% METAL GLAZE 10K 5%</td><td>1/10W 1/10W</td><td>C276 C277</td><td>1-164-505-11 1-137-134-91</td><td>CERAMIC CHIP FILM</td><td>0.22MF</td><td>5%</td><td>16V 63V</td></tr> <tr><td>R 1637 1-216-057-00 R 1641 1-249-411-11 R 1666 1-212-865-00</td><td>METAL GLAZE 2.2K 5% CARBON 330 5%</td><td>1/10W 1/4W 1/4W F</td><td>C278 C279</td><td>1-124-925-11 1-124-122-11</td><td></td><td>2.2MF 100MF</td><td>20% 20%</td><td>50V 35V</td></tr> <tr><td>R1801 1-249-409-11 R1802 1-249-409-11</td><td>CARBON 220 5%</td><td>1/4W 1/4W</td><td></td><td></td><td>NNECTOR></td><td></td><td></td><td></td></tr> <tr><td>R1804 1-247-891-00 R1806 1-216-103-00 R1807 1-247-891-00</td><td>METAL GLAZE 180K 5%</td><td>1/4W 1/10W 1/4W</td><td>CN131</td><td>1 1-568-882-51 2*1-508-784-00 3*1-568-878-51</td><td>PIN, CONNECT</td><td>OR (5MM PIT</td><td>CH) 1P</td><td></td></tr>	ANSISTOR>		R1837 R1838	1-249-435-11 1-216-379-11	CARBON METAL OXIDE	33K 5% 6.8 5% 270 5%	1/4W 2W		Q1610 8-729-119-78 Q1613 8-729-011-02 Q1802 8-729-173-38 Q1803 8-729-173-78	COIL (WITH CORE) (PMC) COIL, HCC DUST CORE 3.9MMH ANSISTOR> TRANSISTOR 2SC2785-HFE TRANSISTOR 2SK1917 TRANSISTOR 2SK733-K TRANSISTOR 2SC2785-HFE		R1839 R1840 R1841	1-249-410-11 1-249-429-11 1-249-437-11	CARBON CARBON CARBON	270 5% 10K 5% 47K 5%	1/4W 1/4W 1/4W		Q1804 8-729-119-78	TRANSISTOR 2SC2785-HFE		R1842 R1843	1-249-429-11 1-249-421-11	CARBON CARBON	10K 5% 2.2K 5% 10K 5%	1/4W 1/4W 1/4W		Q1805 8-729-140-97 Q1806 8-729-119-78 Q1807 8-729-140-97 Q1808 8-729-173-38	TRANSISTOR 258734-34 TRANSISTOR 25C2785-HFE TRANSISTOR 25B734-34 TRANSISTOR 25A733-K		R1847 R1848	1-249-429-11 1-216-065-00 1-249-429-11	METAL GLAZE CARBON	4.7K 5% 10K 5%	1/10 1/4W	(i)	Q1809 8-729-209-15	TRANSISTOR 2SD2012		R1849	1-216-065-00	METAL GLAZE	4.7K 5%	1/10		Q1811 8-729-119-78 Q1812 8-729-119-78 Q1813 8-729-119-78	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE			*1-643-003-11 4-200-001-01	K BOARD				<re:< td=""><td>SISTOR></td><td></td><td></td><td>4-200-001-01</td><td>HOLDER, IC</td><td></td><td></td><td></td></re:<>	SISTOR>			4-200-001-01	HOLDER, IC				JR1 1-216-295-00 JR2 1-216-295-00	METAL GLAZE 0 5% METAL GLAZE 0 5%	1/10W 1/10W			PACITOR>				R1625 1-249-415-11 R1628 1-216-057-00 R1629 1-249-429-11	CARBON 680 5% METAL GLAZE 2.2K 5%	1/4W 1/10W 1/4W	C268 C269 C270	1-163-005-11 1-101-006-00 1-163-024-00	CERAMIC CHIP	0.047MF 0.018MF	10% 10%	50V 50V 50V	R1630 1-249-435-11 R1631 1-216-057-00	CARBON 33K 5%	1/4W 1/10W	C271 C272	1-164-492-11 1-126-233-11	CERAMIC CHIP BLECT	0.15MF 22MF	10% 20%	16V 50V	R1632 1-249-436-11 R1633 1-249-421-11 R1634 1-216-097-00	CARBON 2.2K 5%	1/4W 1/4W 1/10W	C273 C274 C275	1-124-618-11 1-124-618-11 1-164-505-11	ELECT CERAMIC CHIP	2200MF 2200MF 2.2MF	20% 20%	35V 35V 16V	R1635 1-216-073-00 R1636 1-216-073-00	METAL GLAZE 10K 5% METAL GLAZE 10K 5%	1/10W 1/10W	C276 C277	1-164-505-11 1-137-134-91	CERAMIC CHIP FILM	0.22 M F	5%	16V 63V	R 1637 1-216-057-00 R 1641 1-249-411-11 R 1666 1-212-865-00	METAL GLAZE 2.2K 5% CARBON 330 5%	1/10W 1/4W 1/4W F	C278 C279	1-124-925-11 1-124-122-11		2.2MF 100MF	20 % 20 %	50V 35V	R1801 1-249-409-11 R1802 1-249-409-11	CARBON 220 5%	1/4W 1/4W			NNECTOR>				R1804 1-247-891-00 R1806 1-216-103-00 R1807 1-247-891-00	METAL GLAZE 180K 5%	1/4W 1/10W 1/4W	CN131	1 1-568-882-51 2*1-508-784-00 3*1-568-878-51	PIN, CONNECT	OR (5MM PIT	CH) 1P	
ANSISTOR>		R1837 R1838	1-249-435-11 1-216-379-11	CARBON METAL OXIDE	33K 5% 6.8 5% 270 5%	1/4W 2W																																																																																																																																
Q1610 8-729-119-78 Q1613 8-729-011-02 Q1802 8-729-173-38 Q1803 8-729-173-78	COIL (WITH CORE) (PMC) COIL, HCC DUST CORE 3.9MMH ANSISTOR> TRANSISTOR 2SC2785-HFE TRANSISTOR 2SK1917 TRANSISTOR 2SK733-K TRANSISTOR 2SC2785-HFE		R1839 R1840 R1841	1-249-410-11 1-249-429-11 1-249-437-11	CARBON CARBON CARBON	270 5% 10K 5% 47K 5%	1/4W 1/4W 1/4W																																																																																																																															
Q1804 8-729-119-78	TRANSISTOR 2SC2785-HFE		R1842 R1843	1-249-429-11 1-249-421-11	CARBON CARBON	10K 5% 2.2K 5% 10K 5%	1/4W 1/4W 1/4W																																																																																																																															
Q1805 8-729-140-97 Q1806 8-729-119-78 Q1807 8-729-140-97 Q1808 8-729-173-38	TRANSISTOR 258734-34 TRANSISTOR 25C2785-HFE TRANSISTOR 25B734-34 TRANSISTOR 25A733-K		R1847 R1848	1-249-429-11 1-216-065-00 1-249-429-11	METAL GLAZE CARBON	4.7K 5% 10K 5%	1/10 1/4W	(i)																																																																																																																														
Q1809 8-729-209-15	TRANSISTOR 2SD2012		R1849	1-216-065-00	METAL GLAZE	4.7K 5%	1/10																																																																																																																															
Q1811 8-729-119-78 Q1812 8-729-119-78 Q1813 8-729-119-78	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE			*1-643-003-11 4-200-001-01	K BOARD																																																																																																																																	
<re:< td=""><td>SISTOR></td><td></td><td></td><td>4-200-001-01</td><td>HOLDER, IC</td><td></td><td></td><td></td></re:<>	SISTOR>			4-200-001-01	HOLDER, IC																																																																																																																																	
JR1 1-216-295-00 JR2 1-216-295-00	METAL GLAZE 0 5% METAL GLAZE 0 5%	1/10W 1/10W			PACITOR>																																																																																																																																	
R1625 1-249-415-11 R1628 1-216-057-00 R1629 1-249-429-11	CARBON 680 5% METAL GLAZE 2.2K 5%	1/4W 1/10W 1/4W	C268 C269 C270	1-163-005-11 1-101-006-00 1-163-024-00	CERAMIC CHIP	0.047MF 0.018MF	10% 10%	50V 50V 50V																																																																																																																														
R1630 1-249-435-11 R1631 1-216-057-00	CARBON 33K 5%	1/4W 1/10W	C271 C272	1-164-492-11 1-126-233-11	CERAMIC CHIP BLECT	0.15MF 22MF	10% 20%	16V 50V																																																																																																																														
R1632 1-249-436-11 R1633 1-249-421-11 R1634 1-216-097-00	CARBON 2.2K 5%	1/4W 1/4W 1/10W	C273 C274 C275	1-124-618-11 1-124-618-11 1-164-505-11	ELECT CERAMIC CHIP	2200MF 2200MF 2.2MF	20% 20%	35V 35V 16V																																																																																																																														
R1635 1-216-073-00 R1636 1-216-073-00	METAL GLAZE 10K 5% METAL GLAZE 10K 5%	1/10W 1/10W	C276 C277	1-164-505-11 1-137-134-91	CERAMIC CHIP FILM	0.22 M F	5%	16V 63V																																																																																																																														
R 1637 1-216-057-00 R 1641 1-249-411-11 R 1666 1-212-865-00	METAL GLAZE 2.2K 5% CARBON 330 5%	1/10W 1/4W 1/4W F	C278 C279	1-124-925-11 1-124-122-11		2.2MF 100MF	20 % 20 %	50V 35V																																																																																																																														
R1801 1-249-409-11 R1802 1-249-409-11	CARBON 220 5%	1/4W 1/4W			NNECTOR>																																																																																																																																	
R1804 1-247-891-00 R1806 1-216-103-00 R1807 1-247-891-00	METAL GLAZE 180K 5%	1/4W 1/10W 1/4W	CN131	1 1-568-882-51 2*1-508-784-00 3*1-568-878-51	PIN, CONNECT	OR (5MM PIT	CH) 1P																																																																																																																															

KV-E2531D/E2931D/E3431D KV-E2531B/E2931B/E3431B RM-830 RM-830 RM-832



The components identified by shading and mark Λ are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF. NO	. PART NO.	DESCRIPTIO	N -		REMARK	REF. NO	. PART NO.	DESCRIPTION			REMARK
C601	<ca 1-130-202-00</ca 	PACITOR>	0.022MF	109	400V	C852 C853 C854 C857	1-124-910-11 1-16 2-115- 91	CERANIC	47MF 330PF	10% 20% 10%	25V 50V 2KV
C603 C605 C608 C612	1-161-742-00 1-124-910-11 1-124-903-11 1-130-480-00	CERAMIC ELECT ELECT	0.0022MF 47MF 1MF 0.0056MF	20% 20% 20% 5%	400V 50V 50V 50V	C861 C863 C866	1-124-902-00 1-137-132-91 1-137-094-11 1-137-038-91	FILM FILM FILM	0.47MF 0.1MF 0.047MF 0.001MF	20% 5% 10% 10%	50V 63V 100V 400V
C613 C614 C615	1-129-722-00 1-102-030-00 1-126-943-11	CERAMIC ELECT	0.047MF 330PF 2200MF	10% 10% 20%	630V 500V 25V	C868 C869 C870	1-137-127-91 1-137-098-11 1-137-120-91	FILM FILM FILM	0.015MF 0.1MF 0.001MF	5 % 10 %	63V 100V 63V
C616 C617 C618	1-102-030-00 1-162-116-00 1-162-134-11	CERAMIC CERAMIC CERAMIC	330PF 680PF 470PF	10% 10%	500V 2KV 2KV	C871 C872 C873	1-130-651-00 1-124-907-11 1-137-120-91	ELECT Film	0.001MF 10MF 0.001MF	5% 2% 20% 5%	100V 50V 63V
C619 C620 C621 C622	1-102-030-00 1-164-299-11 1-124-347-00 1-128-320-11		330PF	10% 10% 20% 20%	500V 25V 160V 16V	C875 C877 C878 C1501	1-163-141-00	ELECT CERAMIC CHIP CERAMIC CHIP	0.001MF	20% 10% 5%	500V 50V 50V 50V
C623 C624 C625	1-102-030-00 1-126-800-51 1-126-800-51	CERAMIC ELECT ELECT	330PF 2200MF 2200MF	10% 20% 20%	500V 35V 35V	C1502 C1503	1-124-903-11 1-163-133-00 1-124-480-11	CERAMIC CHIP	1MF 470PF 470MF	20% 5% 20%	50V 50V 25V
C627 C628	1-137-124-91 1-124-910-11	FILM ELECT	0.0047MF 47MF	5% 20%	63V 50V	C1505 C1506 C1507	1-124-911-11 1-137-135-91 1-137-031-11	ELECT FILM FILM	220MF 0.33MF 0.22MF	20% 5% 10%	50V 63V 100V
C629 C631 C632 C633	1-124-907-11 1-163-075-00 1-137-128-91 1-163-078-11		0.022MF	20% 10% 5%	50V 25V 63V	C1508	1-124-480-11	ELECT	470MF 2.2MF	20% 20%	25V 50V
C635 C636	1-102-212-00	CERAMIC CHIP	820PF 0.1MF	10% 10% 5%	25V 500V 63V	C1512	1-124-907-11 1-124-006-11 1-164-004-11	ELECT	10MF 10MF 0.1MF	20% 20% 10%	50V 25V 25V
C640 C801 C803 C804	1-126-233-11 1-137-116-11 1-164-695-11 1-137-130-91	ELECT FILM CERAMIC CHIP	22MF 1MF	20% 5% 5% 5%	50V 200V 50V 63V	; c[]]		INECTOR>	U. IAP	10%	25V
C805 C806 C808	1-124-902-00 1-124-907-11	ELECT ELECT	0.47MF 10MF	20% 20%	50 V 50 V	CN0009 CN0010	*1-568-878-51 *1-568-877-51	PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO	IR 3P IR 2P	CH) 2P	
C809 C810	1-162-114-00 1-124-808-51 1-163-001-11	ELECT	0.0047MF 10MF 220PF	20% 10%	2KV 200V 50V	CN0505		PIN, CONNECTO	IR 5P		
C812 C813 C815 C819 C821 A	1-162-318-11 1-108-704-11 1-162-117-00 1-126-103-11 1-137-514-11	MYLAR CERANIC ELECT	0.001MF 0.1MF 100PF 470MF 0.021MF	10% 10% 10% 20% 2%	500V 200V 500V 16V 1. 2KV	CN0519 CN0521 CN0524	*1-568-878-51 *1-508-765-00 *1-568-878-51	PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO	R 3P R (5MM PITC R 3P		
C823 C824 C825 ▲	1-162-116-91 1-124-902-00 1-137-124-91 1-162-116-91 1-136-895-51	CERAMIC ELECT FILM CERAMIC FILM	680PF 0.47MF 0.0047MF 680PF 0.068MF	10% 20% 5% 10%	2KV 50V 63V 2KV 630V	CNU529	*1-508-784-00 *1-568-878-51	PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO CONNECTOR PIN	R (5MM PITC R 3P	H) 1P	
C827	1-137-094-11	FILM	0.008HF	10%	100V		010>	DE>			
C828 C831 C832 C833	1-137-041-91 1-123-932-00 1-124-910-11 1-137-118-11	FILM ELECT ELECT FILM	0.0033MF 4.7MF 47MF 1.8MF	10% 20% 20% 5%	400V 160V 50V 200V	D602 D606 D608 D610	8-719-300-33 8-719-300-33 8-719-300-33 1-806-660-11	DIODE RU-3AM DIODE RU-3AM DIODE ESAB85-	009		
C834 C835 C836 C837 C838	1-137-513-11 1-124-480-11 1-102-228-00 1-137-038-91 1-137-146-11	FILM ELECT CERAMIC FILM FILM	0.62MF 470MF 470PF 0.001MF 0.15MF	5% 20% 10% 10% 10%	200V 25V 500V 400V 250V	D614 D616	8-719-029-04 8-719-510-09 8-719-920-68 8-719-920-68 8-719-110-31	DIODE D5L60 DIODE D10SC6M DIODE ESAB92-I DIODE ESAB92-I DIODE RD12ES-I	02		
C839 C840	1-123-950-00 1-124-480-11	ELECT ELECT	47MF	20%	250V	D619	8-719-400-18	DIODE MA152WK			
C841 C842	1-102-228-00 1-137-053-91	CERAMIC FILM ELECT	470MF 470PF 0.068MF 33MF	20% 10% 10%	25V 500V 400V 160V	D624 D801 D802	8-719-911-19 8-719-312-40 8-719-018-82 8-719-300-33	DIODE 1SS119 DIODE R2K DIODE RGP02-20 DIODE RU-3AM	DEL-639 4		
C851	1-137-043-11	FILM	0.0047MF	10%	400V	D804	8-719-400-18	DIODE MA152WK			



	PART NO.					REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
J905 J906 J907	1-695-293-11 1-695-293-11 1-695-293-11 <co11 1-402-711-11 1-402-711-11 -TRAI 8-729-120-28 8-729-120-28 8-729-216-22</co11 	SOCKET 21P TERMINAL BLOCK SOCKET 21P	, s				R909 R910 R911 R913	1-216-113-00 1-216-113-00 1-216-022-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 470K 75 5.6K	5%	1/10W 1/10W 1/10W 1/10W	
	<c011< td=""><td>.></td><td></td><td></td><td></td><td></td><td>R914</td><td>1-216-067-00 1-216-113-00</td><td>METAL GLAZE</td><td>5.6K 470K 470K</td><td>5% 5%</td><td>1/10W 1/10W</td><td></td></c011<>	.>					R914	1-216-067-00 1-216-113-00	METAL GLAZE	5.6K 470K 470K	5% 5%	1/10W 1/10W	
L291 L292 L293	1-402-711-11 1-402-711-11 1-402-711-11	INDUCTOR, WIDE INDUCTOR, WIDE INDUCTOR, WIDE	BAND BAND BAND				R916 R917 R919	1-216-113-00 1-216-022-00 1-216-067-00	METAL GLAZE	470K 75 5.6K	5% 5% 5%	1/10W 1/10W 1/10W	
	<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td></td><td>R920 R921</td><td>1-216-067-00 1-216-022-00</td><td>METAL GLAZE</td><td>5.6K 75 10K</td><td>5% 5% 5%</td><td>1/10W 1/10W</td><td></td></tra<>	NSISTOR>					R920 R921	1-216-067-00 1-216-022-00	METAL GLAZE	5.6K 75 10K	5% 5% 5%	1/10W 1/10W	
Q281 Q282 Q283	8-729-120-28 8-729-120-28 8-729-216-22	TRANSISTOR 250 TRANSISTOR 250 TRANSISTOR 250	C1623-L C1623-L A1162-0	.5L6 .5L6			R922 R923 R924	1-216-222-00 1-216-039-00 1-216-039-00	METAL GLAZE METAL GLAZE	390 390	5% 5%	1/8W 1/10W 1/10W	
	<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td></td><td>1 11927</td><td>1-210-039-00</td><td>METAL GLAZE</td><td>47K 390 390 47K</td><td>5% 5% 5%</td><td>1/10W 1/10W 1/10W 1/10W</td><td></td></res<>	ISTOR>					1 11927	1-210-039-00	METAL GLAZE	47K 390 390 47K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
JR201	1-216-296-00	METAL GLAZE	0	5% 1.	/1 OLL		R929	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
	1-216-296-00 1-216-295-00 1-216-296-00 1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0	5% 1. 5% 1. 5% 1.	/8W /10W /8W		R930 R931 R932 R933 R934	1-216-113-00 1-216-216-00 1-216-113-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	470K 5.6K 470K 10K	5% 5% 5% 5%	1/10W 1/8W 1/10W 1/10W	
JR911	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	5% 1. 5% 1.	/8W /8W		R934	1-216-067-00		5.6K		1/10₩	
JR917 JR918		METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0 0	26 1.	/10W		1 0921	1-216-022-00 1-216-022-00 1-216-113-00 1-216-039-00	MRTAL GLAZE	75 75 470K 390 390	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
JR919 JR920	1-216-296-00 1-216-295-00	METAL GLAZE	0	5% 1	/8W /10W /10W			1-216-188-00		5.6K		1/8₩ 1/10₩	
	1-216-296-00 1-216-295-00 1-216-295-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	5% 1 5% 1	/8W /8W		R940 R941 R942 R943	1-216-113-00 1-216-188-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE	470K	5% 5% 5% 5%	1/10W 1/8W 1/10W	
JR927	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0	5% 1	/8W /8W		R944	1-216-188-00		390 47K	5%	1/8W 1/10W	
JR928 JR935 JR939	1-216-296-00	METAL GLAZE METAL GLAZE	0 0 0 0 0	5% 1 5% 1	/8W /10W		R946 R947	1-216-022-00 1-216-022-00	METAL GLAZE METAL GLAZE	75 75 10K	5% 5% 5% 5%	I/10W 1/10W 1/10W	
JR940	1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	5% 1 5% 1	/10W		R948 R949	1-216-073-00 1-216-113-00	METAL GLAZE	470K	5%	1/10W	
JR942 JR944 JR946	1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	5% 1 5% 1 5% 1 5% 1	/10W 1/8W		1 11970	1-216-067-00 1-216-067-00	METAL GLAZE	5.6K 5.6K	5% 5%	1/10V 1/10V	
	1-216-295-00 1-216-296-00						: R953	1-216-113-00 1-216-188-00 1-216-039-00	METAL GLAZE METAL GLAZE	5.6K 470K 390 390	5% 5%	1/10V 1/8W 1/10V	
JR954 JR955	1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	57 1	[/8W		R955	1-216-039-00	METAL GLAZE	390	5%	1/10V	
R282 R283	1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE	10K 10K		1/10W 1/10W		R956 R957 R958	1-216-089-00 1-216-039-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE	47K 390 47K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
R284 R286	1-216-073-00 1-216-097-00	METAL GLAZE	10K 100K	5% 1	1/10W 1/10W		R959	1-216-071-00	METAL GLAZE	8.2K		1/100	
R287 R288	1-216-216-00 1-216-216-00	METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 5.6K 1.8K	5% 1 5% 1	1/8W 1/8W 1/10W		R960 R961	1-216-071-00 1-216-071-00	METAL GLAZE METAL GLAZE	8.2K 8.2K	5% 5%	1/100 1/100	
R289 R290	1-216-055-00 1-216-216-00	METAL GLAZE	5.6K	5% 1	1/8W		*****	************					
R291 R292	1-249-413-11 1-249-413-11	CARBON Carbon	470 470	5% 1 5% 1	1/4W 1/4W			*A-1642-075-A	D BOARD, COM	PLETE ((KV-E2!	531B, 25	310)
R901 R902	1-216-039-00 1-216-039-00	METAL GLAZE METAL GLAZE	390 390	5% 1	1/10W 1/10W			4-200-001-01 4-201-023-01	SPACER, INSU	LATING			
R903 R904	1-216-113-00 1-216-113-00	METAL GLAZE METAL GLAZE	470K 470K	5%	1/10W 1/10W			*4-341-751-01 *4-341-752-01	EYELET				
R905 R906	1-216-188-00 1-216-039-00 1-216-171-00	METAL GLAZE METAL GLAZE METAL GLAZE	390 390 75		1/8W 1/10W 1/8W			*4-368-683-01 *4-389-343-01	SPRING SPRING				
R907 R908	1-216-171-00		75		1/8W			4-812-134-00	RIVET NYLON,	3.5			

KV-E2531D/E2931D/E3431D KV-E2531B/E2931B/E3431B RM-630 RM-630 RM-632



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Replace only with part number specified.

REF. NO	. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTIO	N			REMARK
R628 R629 R630 R631 R633	1-215-464-00 1-215-464-00 1-249-421-11 1-216-397-11 1-249-415-11	METAL CARBON METAL OXIDE	62K 62K 2.2K 4.7 680	1 % 1 % 5 % 5 %	1/4W 1/4W 1/4W 3W 1/4W	F	R876 R877 R878 R884	1-249-421-11 1-215-880-00 1-215-883-11 1-216-693-11	METAL OXIDE METAL OXIDE METAL CHIP		5% 5% 0.50%	1/4W 2W 2W 1/10W	F
R634 R635 R636 R637 R638	1-215-477-00 1-216-073-00 1-216-452-11 1-216-113-00 1-216-073-00	METAL GLAZE METAL OXIDE METAL GLAZE	220K 10K 180 470K 10K	5% 5%	1/4W 1/10W 2W 1/10W 1/10W		R889 R893 R894 R895 R897	1-216-089-00 1-215-878-00 1-216-264-00 1-216-079-00 1-216-089-00	METAL OXIDE METAL GLAZE METAL GLAZE METAL GLAZE	18K 47K	5% 5% 5% 5%	1/10% 1W 1/8W 1/10% 1/10%	F
R639 R640 R651 R801 R802	1-216-089-00 1-207-905-00 1-216-069-00 1-216-069-00 1-216-295-00	WIREWOUND METAL GLAZE METAL GLAZE	47K 0.27 6.8K 6.8K 0	5%	1/10W 2W 1/10W 1/10W 1/10W		R898 R1501 R1502 R1503 R1504	1-216-262-00 1-216-673-11 1-216-665-11 1-216-065-00 1-216-081-00	METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE	470K 8.2K 3.9K 4.7K 22K	5% 0.50% 0.50% 5% 5%	1/10W 1/10W 1/10W	
R804 R805 R806 R807 R808	1-217-778-11 1-216-677-11 1-216-061-00 1-216-037-00 1-216-085-00	METAL GLAZE	1K 12K 3.3K 330 33K	5% 0.50% 5% 5% 5%	1W 1/10W 1/10W 1/10W 1/10W	F	R1505 R1506 R1508 R1509 R1510	1-216-081-00 1-216-057-00 1-216-684-11 1-216-091-00 1-249-382-11	METAL GLAZE METAL CHIP METAL GLAZE CARBON	22K 2.2K 24K 56K 1.2	5% 0.50% 5%	1/10W 1/4W	F
R809 R811 R812 R813 R814	1-216-097-00 1-216-033-00 1-216-061-00 1-216-065-00 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 220 3.3K 4.7K 56K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1514	1-215-887-00 1-216-371-00 1-216-065-00 1-216-049-00 1-216-065-00	METAL OXIDE METAL GLAZE METAL GLAZE	150 1.5 4.7K 1K 4.7K	5%	2W 2W 1/10W 1/10W 1/10W	
R815 R819 R820 R821 R822	1-216-081-00 1-247-755-11 1-216-097-00 1-215-918-00 1-215-918-00	METAL GLAZE CARBON METAL GLAZE METAL OXIDE METAL OXIDE	22K 1.8K 100K 1.5K 1.5K	5% 5% 5% 5%		F F	RV601	<var< td=""><td>RES, ADJ, CA</td><td></td><td>2K</td><td></td><td></td></var<>	RES, ADJ, CA		2K		
R823 R824 R825 R826 R828	1-216-065-00 1-216-675-11 1-216-345-11 1-216-166-00 1-216-121-00	METAL GLAZE METAL CHIP METAL OXIDE METAL GLAZE METAL GLAZE	4.7K 10K 0.47 47 1M	5% 0.50% 5% 5% 5%	1/10W 1/10W 1W 1/8W 1/10W	F	T801 ⚠	<tra 1-450-997-11 1-453-118-11 1-437-090-00</tra 	TRANSFORMER	ASSY, FI	.YBACK	(UX-20	600A2)
R829 R830 R832 R833 R834	1-249-429-11 1-216-687-11 1-216-089-00 1-216-105-00 1-216-109-00	CARBON METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	10K 33K 47K 220K 330K	5% 0.50% 5% 5% 5%	1/4W 1/10W 1/10W 1/10W 1/10W			**************************************	D BOARD, COM	PLETE (N			
R835 R836 R837 R838 R839	1-216-057-00 1-216-242-00 1-216-695-11 1-216-091-00 1-216-055-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE	2.2K 68K 68K 56K 1.8K	0.50%	1/10W 1/8W 1/10W 1/10W 1/10W			4-341-752-01 4-368-683-01	SPACER, INSU EYELET EYELET SPRING	LATING			
R841 R842 R846 R847 R849	1-249-397-11 1-215-890-11 1-216-671-11 1-216-699-11 1-215-908-00	CARBON METAL OXIDE METAL CHIP METAL CHIP METAL OXIDE	22 470 6.8K 100K 33	5% 5% 0.50% 0.50%	2W 1 1/10W 1/10W	F F		:4-389-343-01 :4-812-134-00 <cap< td=""><td></td><td>3.5</td><td></td><td></td><td></td></cap<>		3.5			
R851 R852 R853 R854 R855	1-247-743-11 1-249-389-11 1-249-443-11 1-249-443-11 1-202-818-00	CARBON CARBON CARBON CARBON SOLID	220 4.7 0.47 0.47 1K	5%	1/4W H 1/4W H	त	C603 C605 C608	1-130-202-00 1-161-742-00 1-124-910-11 1-124-903-11 1-137-125-91	FILM CERAMIC ELECT ELECT FILM	0.022MF 0.0022M 47MF 1MF 0.0068M	F 20	0% 0% 0%	400V 400V 50V 50V 63V
R858 R864 R865 R866 R867	1-249-425-11 1-216-685-11 1-247-901-11 1-216-103-00 1-216-113-00	CARBON METAL CHIP CARBON METAL GLAZE METAL GLAZE	4.7K 27K 820K 180K 470K	5% 0.50% 5%	1/4W		C614 C615 C616 C617		FILM CERAMIC ELECT CERAMIC CERAMIC	0.047MF 330PF 2200MF 330PF 680PF	10 20 10 10) X) X	630V 500V 25V 500V 2KV
R868 R871 R872 R873	1-249-435-11 1-249-493-11 1-249-393-11 1-249-393-11	CARBON CARBON CARBON CARBON	33K 56K 10	5% 5% 5%	1/4W 1/2W 1/4W F 1/4W F		C619 C620 C621	1-164-299-11 1-124-347-00	CERAMIC CERAMIC CERAMIC CHIP ELECT ELECT	470PF 330PF 0.22MF 100MF 2200MF	10 10 10 20 20)	2KV 500V 25V 160V 16V

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

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Ne les remplacer que par une piece portant le numero specifie.



REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMAR	K
D808 8-719-109-88 DIODE RD5.6ES-B1 D809 8-719-110-03 DIODE RD7.5ES-B2 D812 8-719-911-55 DIODE UO5G D813 8-719-911-55 DIODE UO5G		Q601 Q602 Q603 Q610	8-729-016-14 8-729-177-22 8-729-900-53 8-729-216-22	TRANSISTOR BUZ- TRANSISTOR 2SB TRANSISTOR DTC TRANSISTOR 2SA TRANSISTOR 2SC			
D815 8-719-300-33 DIODE RU-3AM D816 8-719-979-85 DIODE EGP20G D818 8-719-109-93 DIODE RD6.2ES-B2 D821 8-719-400-18 DIODE MA152WK		0801 0802 0804 0805	8-729-016-32 8-729-140-97 8-729-216-22 8-729-216-22	TRANSISTUR 2SC TRANSISTOR 2SB TRANSISTOR 2SA TRANSISTOR 2SA	4927-01 734-34 1162-G 1162-G		
D824 8-719-976-64 DIODE RGPO2-17 D825 8-719-400-18 DIODE MA152WK D826 8-719-400-18 DIODE MA152WK D827 8-719-983-50 DIODE MT2J-T-72-2.2A		Q812 Q813 Q818	8-729-119-80 8-729-120-28 8-729-140-96	TRANSISTOR 2SK TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SD TRANSISTOR 2SA	2688-LK 21623-L5L6 2774-34		
D830 8-719-400-18 D10DE MA152WK D831 8-719-400-18 D10DE MA152WK D832 8-719-400-18 D10DE MA152WK D833 8-719-400-18 D10DE MA152WK		Q1501 Q1502 Q1503 Q1504	8-729-901-01 8-729-216-22	TRANSISTOR 250 TRANSISTOR DTO TRANSISTOR 25A TRANSISTOR DTO	1144EK 11162-G		
D1501 8-719-400-18 DIODE MA152WK				ISTOR>			
D1503 8-719-911-55 D10DE U05G D1504 8-719-982-03 D10DE MTZJ-3.6A		JR001 JR002 JR003 JR004 JR005	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
1C601 8-759-073-29 IC TDA4605-3 1C602 8-759-908-15 IC TL431CLP 1C603 8-749-923-44 IC SFH617G-1 1C801 8-759-987-16 IC LM393P 1C802 8-759-987-16 IC LM393P		JR500 JR501 JR502 JR503	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W	
IC803 8-759-081-31 IC MC78L12ACPRP IC1501 8-759-506-46 IC TDA8179S <coil></coil>		JR505 JR506 JR507 JR508	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W	
L602 1-410-396-41 FERRITE BEAD INDUCTOR L603 1-410-396-41 FERRITE BEAD INDUCTOR L604 1-410-396-41 FERRITE BEAD INDUCTOR L605 1-459-442-00 COIL (WITH CORE) L606 1-459-442-00 COIL (WITH CORE)		JR510 JR511 JW208 R601 R602	1-216-296-00 1-216-296-00 1-217-587-00 1-216-360-11 1-216-065-00	METAL GLAZE METAL GLAZE RES, SHORT O.	0 5% 0 5% 01 8.2 5% 4.7K 5%	1/8W 1/8W 1/4W 1W F 1/10W	
L609 1-410-396-41 FERRITE BEAD INDUCTOR L622 1-412-533-21 INDUCTOR 47UH L623 1-412-533-21 INDUCTOR 47UH L803 1-420-872-00 COIL, AIR CORE L808 1-412-549-11 INDUCTOR 1MMH		R603 R604 R605 R606 R607	1-215-901-00 1-247-883-00 1-216-313-00 1-216-033-00 1-216-061-00	CARBON METAL GLAZE METAL GLAZE	33K 5% 150K 5% 8.2 5% 220 5% 3.3K 5%	2W F 1/4W 1/10W 1/10W 1/10W	
L809 1-459-111-00 COIL, DRAW CORE (CDI) L810 1-460-197-11 COIL, FERRITE (PMC) L811 1-412-519-11 INDUCTOR 3.3UH L812 1-412-519-11 INDUCTOR 3.3UH L813 1-412-519-11 INDUCTOR 3.3UH		R608 R609 R610 R611 R612	1-215-928-11 1-216-005-00 1-247-885-00 1-249-405-11 1-247-894-11	METAL GLAZE	68K 5% 15 5% 180K 5% 100 5% 430K 5%	3W F 1/10W 1/4W 1/4W 1/4W	
L817 1-460-196-11 COIL, HORIZONTAL LINEARITY L1501 1-412-531-31 INDUCTOR 33UH L1502 1-412-525-21 INDUCTOR 10UH L1503 1-412-531-31 INDUCTOR 33UH		R613 R614 R615 R617 R618	1-216-260-00 1-216-487-11 1-216-487-11 1-216-033-00 1-216-449-11	METAL OXIDE METAL OXIDE METAL GLAZE	390K 5% 12K 5% 12K 5% 220 5% 56 5%	1/8V 3W F 3W F 1/10W 2W F	
<ic link=""></ic>		R620	1-216-045-00	METAL GLAZE	680 5%	1/10W	
PS601 \$\Lambda\$1-532-686-91 LINK, IC 2.7A PS602 \$\Lambda\$1-532-686-91 LINK, IC 2.7A PS603 \$\Lambda\$1-532-686-91 LINK, IC 2.7A PS604 \$\Lambda\$1-532-686-91 LINK, IC 2.7A		R621 R622 R623 R625	1-216-659-11 1-216-041-00 1-216-073-00 1-216-449-11	METAL GLAZE METAL GLAZE METAL OXIDE	470 5% 10K 5% 56 5%	1/10W 1/10W 1/10W 2W F	
<transistor></transistor>		R626 R627	1-216-635-11 1-249-398-11		220 0.50 27 5%	1/10 F	

KV-E2531D/E2931D/E3431D KV-E2531B/E2931B/E3431B RM-830 RM-830 RM-832



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REF. NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	·	**************	***************************************	REMARK
D1503 8-719-911-55 D1504 8-719-982-03	DIODE UOSG DIODE MTZJ-3.6A			<re:< td=""><td>SISTOR></td><td></td><td></td><td></td><td></td></re:<>	SISTOR>				
<10	DESCRIPTION DIODE U05G DIODE MTZJ-3.6A		JR001 JR002 JR003	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE	0 0 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
1C601 8-759-073-29 1C602 8-759-908-15 1C603 8-749-923-44	IC TDA4605-3 IC TL431CLP IC SPH617G-1		JR005 JR500	1-216-295-00 1-216-296-00	METAL GLAZE	0	5%	1/10W 1/8W	
1C801 8-759-987-16 1C802 8-759-987-16 1C803 8-759-081-31	IC LM393P IC MC78L12ACPRP		JR501 JR502 JR503	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 0 0	5% 5% 5% 5%	1/8W 1/8W 1/8W	
101501 8-759-506-46	IC TDA81795		JR505 JR506	1-216-296-00 1-216-296-00	METAL GLAZE	0	5%	1/8W 1/8W 1/8W	
<001 L602 1-410-396-41	L> FERRITE BEAD INDUCTOR		JR507 JR508	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	$_{0}^{0}$	5% 5% 5%	1/8W 1/8W 1/8W	
L603 1-410-396-41 L604 1-410-396-41 L605 1-459-442-00 L606 1-459-442-00	FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR COIL (WITH CORE) COIL (WITH CORE)		JR510 JR511 JW208	1-216-296-00 1-216-296-00 1-217-587-00	METAL GLAZE	0	5% 5%	1/8W 1/8W 1/8W	
L609 1-410-396-41 L622 1-412-533-21 L623 1-412-533-21	FERRITE BEAD INDUCTOR INDUCTOR 470H		R601 R602	1-216-353-00 1-216-065-00	METAL OXIDE	2.2 4.7K	5%		F
L623	IC TDA4605-3 IC TL43ICLP IC SPH617G-1 IC LM393P IC LM393P IC MC78L12ACPRP IC TDA8179S L> FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR COIL (WITH CORE) COIL (WITH CORE) FERRITE BEAD INDUCTOR INDUCTOR 47UH COIL, AIR CORE INDUCTOR 47UH COIL, AIR CORE INDUCTOR 1MMH COIL, DRAM CORE (CDI) COIL, FERRITE (PMC) INDUCTOR 3.3UH INDUCTOR 3.3UH INDUCTOR 33UH		R603 R604 R605 R606	1-215-901-00 1-247-883-00 1-216-313-00 1-216-033-00	CARBON METAL GLAZE METAL GLAZE	33K 150K 8.2 220	5% 5% 5% 5%	2W 1/4W 1/10W 1/10W	F
L809 1-459-111-00 L810 1-460-197-11 L811 1-412-519-11 L812 1-412-519-11	COIL, DRAM CORE (CDI) COIL, FERRITE (PMC) INDUCTOR 3.3UH		R607 R608	1-216-061-00 1-215-928-11 1-216-005-00	METAL OXIDE	3.3K 68K 15		1/10W 3W 1	3
L813 1-412-519-11 L817 1-460-196-11	INDUCTOR 3.3UH		R610 R611	1-247-885-00 1-249-405-11	CARBON Carbon	180K 100	5% 5% 5% 5%	1/10W 1/4W 1/4W	
L1501 1-412-531-31 L1502 1-412-525-21 L1503 1-412-531-31	INDUCTOR 33UH INDUCTOR 10UH INDUCTOR 33UH		R613 R614	1-247-894-11 1-216-260-00 1-216-487-11	METAL GLAZE	430K 390K 12K		1/4W 1/8W 3W F	;
<10			R615 R617 R618	1-216-487-11 1-216-033-00 1-216-449-11	METAL OXIDE METAL GLAZE	12K 220 56	5% 5% 5% 5% 5%	3W F 1/10W 2W F	7
PS601 <u>A</u> 1-532-686-91 PS602 <u>A</u> 1-532-686-91 PS603 <u>A</u> 1-532-686-91 PS604 <u>A</u> 1-532-686-91	LINK, IC 2.7A LINK, IC 2.7A		R620 R621 R622 R623 R625	1-216-045-00 1-216-659-11 1-216-041-00 1-216-073-00 1-216-449-11	METAL CHIP METAL GLAZE METAL GLAZE	680 2.2K 470 10K 56	5% 0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 2W F	
	NSISTOR>		R626 R627	1-216-635-11 1-249-398-11	METAL CHIP CARBON	220 27	0.50% 5%	1/10W 1/4W F	,
Q601 8-729-016-14 Q602 8-729-177-22 Q603 8-729-900-53 Q610 8-729-216-22	TRANSISTOR BUZ91A-E3155 TRANSISTOR 2SB772-Q TRANSISTOR DTC114EK TRANSISTOR 2SA1162-G		R628 R629 R630	1-215-464-00 1-215-464-00 1-249-421-11	METAL METAL CARBON	62K 62K 2.2K	1 % 1 % 5 %	1/4W 1/4W 1/4W	
Q611 8-729-119-78 Q801 8-729-016-32	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC4927-01		R631 R633 R634	1-216-397-11 1-249-415-11 1-215-477-00	METAL OXIDE CARBON METAL	4.7 680 220K	5% 5% 1%	3W F 1/4W 1/4W	
Q802 8-729-140-97 Q804 8-729-216-22 Q805 8-729-216-22	TRANSISTOR 2SB734-34 TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G		R635 R636	1-216-073-00 1-216-452-11	METAL GLAZE METAL OXIDE	10K 180	5% 5%	1/10W 2W F	
Q806 8-729-011-00 Q807 8-729-119-80 Q812 8-729-120-28 Q813 8-729-140-96	TRANSISTOR 2SK1916-02F87 TRANSISTOR 2SC2688-LK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SD774-34		R637 R638 R639 R640 R651	1-216-113-00 1-216-073-00 1-216-089-00 1-207-905-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE WIREWOUND METAL GLAZE	470K 10K 47K 0.27 6.8K	5% 5% 5% 10% 5%	1/10W 1/10W 1/10W 2W F 1/10W	
Q818 8-729-216-22 Q1501 8-729-120-28 Q1502 8-729-901-01	TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144FF			1-216-053-00 1-216-295-00	METAL GLAZE METAL GLAZE	1.5K 0	5% 5%	1/10W 1/10W	
41503 8-729-901-01 41503 8-729-901-01	TRANSISTOR DTC144EK TRANSISTOR 2SA1162-G TRANSISTOR DTC144EK		R804 R805 R806	1-217-778-11 1-216-677-11 1-216-061-00	FUSIBLE METAL CHIP METAL GLAZE	1 K 12 K 3.3 K	5% 0.50% 5%	1W F 1/10W 1/10W	
			R807 R808	1-216-037-00 1-216-085-00	METAL GLAZE METAL GLAZE	330 33K	5% 5%	1/10W 1/10W	

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REF.NO. PART NO.					REF.NO. PART NO.	DESCRIPTION	REMARK
C623 1-102-030-00 C624 1-126-800-51 C625 1-126-800-51 C627 1-137-124-91 C628 1-124-910-11	CERAMIC BLECT BLECT FILM BLECT	330PF 2200MF 2200MF 0.0047MF 47MF	10% 20% 20% 5% 20%	500V 35V 35V 63V 50V	C1505 I-124-911-1 C1506 I-137-135-9 C1507 I-137-032-9 C1508 I-124-480-1	1 FILM 0.33MF 1 FILM 0.27MF 1 ELECT 470MF	20% 50V 5% 63V 10% 100V 20% 25V 20% 50V
C629 1-124-907-11 C631 1-163-075-00 C632 1-137-128-91 C633 1-163-078-11 C636 1-137-132-91	CERAMIC CHIP	U.UZZMP	20% 10% 5% 10% 5%	50V 25V 63V 25V 63V		1 ELECT 10MF 1 CERAMIC CHIP 0.1MF	20% 50V 20% 25V 10% 25V 10% 25V
C640 1-126-233-11 C801 1-137-116-11 C803 1-164-695-11 C804 1-137-130-91 C805 1-124-902-00	CIRAMIC CHIP	22MF 1MF 0.0022MF 0.047MF 0.47MF	20% 5% 5% 5% 20%	50V 200V 50V 63V 50V	<c CN0004*1-508-786-0</c 	ONNECTOR> O PIN, CONNECTOR (5MM PITCH 1 PIN, CONNECTOR 3P 1 PIN, CONNECTOR 2P) 2P
C806 1-124-907-11 C808 1-162-114-00 C809 1-124-808-51 C810 1-163-001-11 C812 1-162-318-11	CERAMIC CHIP	10MF 0.0047MF 10MF 220PF 0.001MF	20% 20% 10% 10%	50V 2KV 200V 50V 500V	CN0504*1-568-882-5 CN0505*1-568-880-5 CN0506*1-568-880-6	1 PIN, CONNECTOR 7P 1 PIN, CONNECTOR 5P 1 PIN, CONNECTOR 5P 1 PIN, CONNECTOR 3P 0 PIN, CONNECTOR (5MM PITCH	() 2n
C813 1-108-704-11 C815 1-162-117-00 C819 1-126-103-11 C821 \(\Lambda \) 1-137-514-11 C822 \(\Lambda \) 1-162-116-91	MYLAR CERAMIC ELECT FILM CERAMIC	0.1MF 100PF 470MF 0.021MF 680PF	10% 10% 20% 2% 10%	200V 500V 16V 1.2KV 2KV	CN0524*1-568-878-5 CN0525*1-695-294-1 CN0526*1-568-881-5	1 PIN, CONNECTOR 3P 1 PIN, CONNECTOR 3P 1 PIN, CONNECTOR (PC BOARD) 1 PIN, CONNECTOR 6P 0 PIN, CONNECTOR (5MM PITCH 1 PIN, CONNECTOR 3P	6P
C823			20% 5% 10% 5% 10%	50V 63V 2KV 630V 100V	DY1 *1-580-798-1	I CONNECTOR PIN (DY) 6P	
C828 1-137-041-91 C831 1-123-932-00 C832 1-124-910-11 C833 1-137-119-11 C834 1-137-115-11		0.0033MF 4.7MF 47MF 2MF 0.82MF	10% 20% 20% 5%	400V 160V 50V 200V 200V	D606	3 DIODE RU-3AM 3 DIODE RU-3AM 3 DIODE RU-3AM 1 DIODE ESAB85-009 4 DIODE D5L60	
C835 1-124-480-11 C836 1-102-228-00 C837 1-137-038-91 C838 1-137-146-11 C839 1-123-950-00				25V 500V 400V 250V 250V	D613		
C840 1-124-480-11 C841 1-102-228-00 C842 1-137-053-91 C846 1-123-024-21 C851 1-137-120-91	ELECT CERANIC FILM ELECT			25V 500V 400V 160V 63V	D624	9 DIODE 1SS119 0 DIODE R2K 2 DIODE RGPO2-20EL-6394 3 DIODE RU-3AM 8 DIODE MAI52WK	
C852 1-164-299-11 C853 1-124-910-11 C854 \(\Delta \) 1-162-135-91 C857 1-124-902-00 C861 1-137-132-91	CERAMIC CHIP ELECT CERAMIC ELECT FILM		10% 20% 10% 20% 5%	25V 50V 2KV 50V 63V	D808 8-719-109-8 D809 8-719-110-6 D812 8-719-911-5 D813 8-719-911-5 D814 8-719-028-2	3 DIODE RD7.5ES-B2 5 DIODE UO5G 5 DIODE UO5G 9 DIODE RU30ALFS1	
C863 1-137-094-11 C868 1-137-127-91 C869 1-137-098-11 C870 1-137-120-91 C871 1-130-651-00	FILM FILM FILM FILM FILM	0.047MF 0.015MF 0.1MF 0.001MF 0.001MF	10% 5% 10% 5% 2%	100V 63V 100V 63V 100V	D815 8-719-300-3 D816 8-719-979-6 D818 8-719-109-9 D821 8-719-400-1 D822 8-719-982-2	5 DIODE EGP2OG 3 DIODE RD6. 2ES-B2 8 DIODE MA152WK 0 DIODE MTZJ-30B	
C872	FILM CERAMIC ELECT	10MF 0.001MF 0.001MF 0.47MF	20% 5% 20% 10%	50V 63V 500V 50V 50V	D824	8 DIODE MA152WK 8 DIODE MA152WK 0 DIODE MTZJ-T-72-2.2A 9 DIODE ISS119	
C1501 1-163-141-00 C1502 1-124-903-11 C1503 1-163-133-00 C1504 1-124-480-11	CERAMIC CHIP ELECT CERAMIC CHIP	1MF	5% 20% 5% 20%	50V 50V 50V 25V	D830	8 DIODE MAI52WK 8 DIODE MAI52WK 8 DIODE MAI52WK	



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C819 1-126-103-11 C821 <u>A</u> 1-137-065-11 C822 <u>A</u> 1-162-116-91 C823 1-124-903-11 C824 1-137-122-91	ELECT 470M FILM 0.02 CERAMIC 680P ELECT 1MF FILM 0.00	IF 20% 4MF 3% F 10% 20% 122MF 5%	16V 1.2KV 2KV 50V 63V	CN052 CN052 CN052	5*1-695-294-11 5*1-568-881-51 9*1-508-784-00	PIN, CONNECTOR 3P PIN, CONNECTOR (PC BOARD) 6P PIN, CONNECTOR 6P PIN, CONNECTOR (5MM PITCH) 1P PIN, CONNECTOR 3P	
C825 A 1-162-116-91 C826 A 1-136-316-51 C827 1-137-132-91 C828 1-137-041-91 C831 1-123-932-00	FILM 0.050 FILM 0.1M FILM 0.00	6NF 5% F 5% 33MF 10%	2KV 630V 63V 400V 160V	DY1	*1-580-798-11 <dig< td=""><td>CONNECTOR PIN (DY) 6P DE></td><td></td></dig<>	CONNECTOR PIN (DY) 6P DE>	
C832 1-124-910-11 C833 1-137-118-11 C834 1-136-569-11 C835 1-124-480-11 C836 1-102-228-00	FILM 1.8M FILM 1.2M ELECT 470M	F 5% F 5% F 20%	50V 200V 200V 25V 500V	D602 D606 D608 D610	8-719-300-33 8-719-300-33 8-719-300-33 1-806-660-11 4-382-854-11	DIODE RU-3AM	
C837 1-137-038-91 C838 1-137-146-11 C839 1-123-950-00 C840 1-124-480-11 C841 1-102-228-00	FILM 0.150 ELECT 47NF ELECT 470N0	MF 10% 20% F 20%	400V 250V 250V 25V 500V	D611 D612 D613	8-719-510-09 4-382-854-11	DIODE D5L60 SCREW (M3X10), P, SW (+); D611 DIODE D10SC6M SCREW (M3X10), P, SW (+); D612 DIODE ESAB92-02	
C842 1-137-053-91 C846 1-123-024-21 C851 1-137-120-91 C852 1-164-299-11 C853 1-124-910-11	FILM 0.068 ELECT 33MF	8MF 10% 1MF 5% MF 10%	400V 160V 63V 25V 50V	D614 D616 D619	8-719-920-68 4-382-854-11	SCREW (M3X10), P, SW (+); D613 DIODE ESAB92-02 SCREW (M3X10), P, SW (+); D614 DIODE RD12ES-B2 DIODE MA152WK	
C854 <u>A</u> 1-162-115-91 C857 1-124-902-00	CERAMIC 330PI ELECT 0.47	F 10% MF 20% F 5% 5MF 5%	2KV 50V 63V 63V 63V	D620 D624 D801 D802 D804	8-719-911-19 8-719-312-40 8-719-018-82 8-719-300-33 8-719-400-18	DIODE 1SS119 DIODE R2K DIODE RGP02-20EL-6394 DIODE RU-3AN DIODE MA152WK	
C870 1-137-120-91 C871 1-130-651-00 C872 1-124-907-11 C873 1-137-120-91 C875 1-102-038-00	FILM 0.00 FILM 0.001 ELECT 10MF FILM 0.001 CERAMIC 0.001	1MF 5% 1MF 2% 20% 1MF 5%	63V 100V 50V 63V 500V	D808 D809 D811 A D812 D813	8-719-110-03	DIODE RD5.6ES-B1 DIODE RD7.5ES-B2 DIODE ERB44-O6 DIODE UO5G DIODE UO5G	
C0603 1-161-742-00	ELECT 0.471 CERAMIC CHIP 0.011	MF 20% MF 10% 22MF 20%	50V 50V 400V 50V 50V	D814 D815 D816 D818 D821	8-719-028-29 8-719-300-33 8-719-979-85 8-719-109-93 8-719-400-18	DIODE RU3OALFS1 DIODE RU-3AM DIODE EGP2OG DIODE RD6.2ES-B2 DIODE MA152WK	
C1503 1-163-133-00 C1504 1-124-480-11 C1505 1-124-911-11 C1506 1-137-135-91 C1507 1-137-032-91	ELECT 220MF	F 5% F 20% F 20%	50V 25V 50V 63V 100V	D822 D824 D825 D826 D827	8-719-400-18	DIODE MTZJ-30B DIODE RGP02-17 DIODE MA152WK DIODE MA152WK DIODE MTZJ-T-72-2.2A	
C1508 1-124-480-11 C1509 1-124-767-00 C1511 1-124-907-11 C1512 1-124-006-11 C1513 1-163-113-00	ELECT 470MF ELECT 2.2MF ELECT 10MF ELECT 10MF CERAMIC CHIP 68PF		25V 50V 50V 25V 50V	D828 D830 D831 D832 D833	8-719-911-19 8-719-400-18 8-719-400-18 8-719-400-18 8-719-400-18	DIODE 1SS119 DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK	
C1514 1-164-004-11 C1515 1-164-004-11	CERAMIC CHIP 0.1MF	10% 10%	25V 25V	D1501 D1503 D1504	8-719-911-55	DIODE MA152WK DIODE UO5G DIODE MTZJ-3.6A	
<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td><10></td><td></td><td></td></con<>	NECTOR>				<10>		
CN000 4*1-508-786-00 CN0009*1-568-878-51 CN0010*1-568-877-51 CN050 4*1-568-882-51 CN0505*1-568-880-51	PIN, CONNECTOR (5M PIN, CONNECTOR 3P PIN, CONNECTOR 2P PIN, CONNECTOR 7P PIN, CONNECTOR 5P	MM PITCH) 2P) 1 1 1 1 1 1 1 1	1C601 1C602 1C603 1C801 1C802	8-749-923-44 8-759-987-16	IC TDA4605-3 IC TL431CLP IC SFH617G-1 IC LM393P IC LM393P	
CN0506*1-568-880-61 CN0519*1-568-878-51 CN0521*1-508-765-00 CN0522*1-564-512-11	PIN, CONNECTOR 5P PIN, CONNECTOR 3P PIN, CONNECTOR (5M PLUG, CONNECTOR 9P	MM PITCH) 3P	1 1 2 1 1 1 1	1C803 1C1501	8-759-081-31 8-759-506-46	IC MC78L12ACPRP IC TDA8179S	

The components identified by shading and mark Δ are critical tor safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque sont critiques pour la securite.

Ne les remplacer que par une piece portant le numero specifie.



REF.NO.	PART NO.	DESCRIPTION					REF.NO.	PART NO.	DESCRIPTION			REMARK
R809 R811 R812 R813 R814	1-216-097-00 1-216-033-00 1-216-061-00 1-216-065-00 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 220 3.3K 4.7K 56K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1512 R1513 R1514	1-215-887-00 1-216-371-00 1-216-065-00 1-216-049-00 1-216-065-00	METAL OXIDE METAL GLAZE METAL GLAZE	150 5% 1.5 5% 4.7K 5% 1K 5% 4.7K 5%	2W 2W 1/10 1/10 1/10	ພ ໍ ພ
R815 R819 R820 R821 R822	1-216-081-00 1-247-755-11 1-216-097-00 1-216-481-11 1-216-481-11	METAL GLAZE CARBON METAL GLAZE METAL OXIDE METAL OXIDE	22K 1.8K 100K 1.2K 1.2K	5% 5% 5% 5%		F F	RV601	<var 1-241-628-11</var 	IABLE RESISTO			
R823 R824 R825 R826 R828	1-216-065-00 1-216-675-11 1-216-345-11 1-216-166-00 1-216-121-00	METAL GLAZE METAL CHIP METAL OXIDE METAL GLAZE METAL GLAZE	4.7K 10K 0.47 47 1M	0.50%	1/10W 1/10W 1W 1/8W 1/10W	F	T601 A T801 A T803	<tra 1-437-090-00<="" 1-453-118-11="" 1-697-001-11="" td=""><td>TRANSFORMER</td><td>) ASSY, FLYBAG</td><td>CK (UX-</td><td>2600A2)</td></tra>	TRANSFORMER) ASSY, FLYBAG	CK (UX-	2600A2)
R829 R830 R832 R833 R834	1-249-429-11 1-216-687-11 1-216-089-00 1-216-105-00 1-216-101-00	CARBON METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	10K 33K 47K 220K 150K	5% 0.50% 5% 5%	1/4W 1/10W 1/10W 1/10W 1/10W	F		*A-1642-083-A 4-200-001-01	D BOARD, COM	PLETE (KV-E		
R835 R836 R837 R838 R839	1-216-057-00 1-216-242-00 1-216-695-11 1-216-093-00 1-216-062-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE	2.2K 68K 68K 68K 3.6K	5%	1/10W 1/8W 1/10W 1/10W 1/10W			4-201-023-01 4-201-023-01 *4-341-751-01 *4-341-752-01 4-812-134-00	SPACER, INSU EYELET EYELET			
R841 R842 R845 R846 R847	1-249-397-11 1-215-890-11 1-218-772-11 1-216-671-11 1-216-699-11	CARBON METAL OXIDE METAL CHIP METAL CHIP METAL CHIP	6.8K	5% 0.50%	1/10W	F F	C601 C605 C608 C612	<cap 1-124-903-11="" 1-124-910-11="" 1-130-202-00="" 1-137-046-11<="" td=""><td>ELECT Elect</td><td>0.022MF 47MF 1MF 0.0082MF</td><td>10% 20% 20% 10%</td><td>400V 50V 50V 400V</td></cap>	ELECT Elect	0.022MF 47MF 1MF 0.0082MF	10% 20% 20% 10%	400V 50V 50V 400V
R849 R851 R852 R853 R854	1-215-881-11 1-247-743-11 1-249-389-11 1-249-443-11 1-249-443-11	METAL OXIDE CARBON CARBON CARBON CARBON	15 220 4.7 0.47 0.47	5%	2W 1/2W 1/4W 1/4W 1/4W	F	C613 C614 C615 C616 C617	1-129-722-00 1-102-030-00 1-126-943-11 1-102-030-00 1-162-116-00	FILM CERAMIC ELECT	0.047MF 330PF 2200MF 330PF 680PF	10% 10% 20% 10% 10%	630V 500V 25V 500V 2KV
R855 R858 R864 R865 R866	1-202-818-00 1-249-425-11 1-216-685-11 1-247-901-11 1-216-103-00	SOLID CARBON METAL CHIP CARBON METAL GLAZE	1K 4.7K 27K 820K 180K	5%	1/2W 1/4W 1/10W 1/4W 1/10W		C618 C619 C620 C621 C622	1-162-134-11 1-102-030-00 1-164-299-11 1-124-347-00 1-128-320-11	CERAMIC CERAMIC CERAMIC CHIP ELECT ELECT	470PF 330PF	10% 10% 10% 20% 20%	2KV 500V 25V 160V 16V
R867 R868 R871 R872 R873	1-216-113-00 1-249-431-11 1-249-493-11 1-249-393-11 1-249-393-11	METAL GLAZE CARBON CARBON CARBON CARBON	470K 15K 56K 10	5% 5% 5% 5%	1/10W 1/4W 1/2W 1/4W 1/4W	F F	C623 C624 C625 C627 C628	1-102-030-00 1-126-800-51 1-126-800-51 1-137-124-91 1-124-910-11	CERAMIC	330PF 2200MF 2200MF 0.0047MF 47MF	10% 20% 20% 5% 20%	500V 35V 35V 63V 50V
R876 R877 R878 R884 R889	1-249-421-11 1-215-880-00 1-215-883-11 1-216-693-11 1-216-089-00	CARBON METAL OXIDE METAL OXIDE METAL CHIP METAL GLAZE	2.2K 10 33 56K 47K	5%	1/4W 2W 2W 1/10W 1/10W	4	C629 C631 C632 C633 C636	1-124-907-11 1-163-075-00 1-137-128-91 1-163-078-11 1-137-132-91	CERAMIC CHIP FILM CERAMIC CHIP FILM	0.022MF	10% 5% 10% 5%	50V 25V 63V 25V 63V
R893 R894 R895 R897 R898	1-215-878-00 1-216-264-00 1-216-079-00 1-216-089-00 1-216-262-00	METAL OXIDE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	33K 560K 18K 47K 470K	5% 5% 5%	1W 1/8W 1/10W 1/10W 1/8W	F	C801 C803 C804 C805	1-126-233-11 1-137-116-11 1-164-695-11 1-137-130-91 1-124-902-00	FILM CERAMIC CHIP FILM ELECT	22MF 1MF 0.0022MF 0.047MF 0.47MF	20% 5% 5% 5%	50V 200V 50V 63V 50V
R 1 501 R 1 502 R 1 503 R 1 504 R 1 505	1-216-673-11 1-216-664-11 1-216-065-00 1-216-081-00 1-216-081-00	METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 3.6K 4.7K 22K 22K	0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C806 C808 C809 C810 C812	1-124-907-11 1-162-114-00 1-124-808-51 1-163-001-11 1-162-318-11	CERAMIC ELECT CERAMIC CHIP CERAMIC	10MF 0.0047MF 10MF 220PF 0.001MF	20% 20% 20% 10% 10%	50V 2KV 200V 50V 500V
R 1506 R 1508 R 1509 R 1510	1-216-057-00 1-216-684-11 1-216-089-00 1-249-382-11	METAL GLAZE METAL CHIP METAL GLAZE CARBON	2.2K 24K 47K 1.2		1/10W 1/10W 1/10W 1/4W	F	C813	1-108-70 4 -11 1-162-11 7 -00	MYLAR CERAMIC	0.1MF 100PF	10% 10%	2 00V 5 00V

KV-E2531D/E2931D/E3431D KV-E2531B/E2931B/E3431B RM-830 RM-830 RM-832



REF. NO. PART NO. DESCRIPTION REMARK | REF. NO. PART NO. DESCRIPTION REMARK 0.50% 1/10W 5% 1W 5% 1/8W 5% 1/10W 1-216-675-11 1-216-342-11 1-216-166-00 METAL CHIP METAL OXIDE METAL GLAZE R824 10K <TRANSFORMER> 1/8W F 0.27 47 R825 R826 R828 1-216-121-00 METAL GLAZE 1/10W R829 1-249-429-11 CARBON T895 1-413-059-00 TRANSFORMER, FERRITE (DFT) R830 METAL CHIP 1-216-687-11 1-216-089-00 0.50% 1/10W R832 5% 5% 5% 1/10W 1/10W 1/10W METAL GLAZE 47K 1-216-105-00 1-216-103-00 METAL GLAZE R833 220K R834 METAL GLAZE 180K MISCELLANEOUS 1-216-057-00 R835 METAL GLAZE 1/10W ********** R836 METAL GLAZE 1-216-242-00 1/8W 1-216-695-11 1-216-097-00 0.50% 1/10W R837 METAL CHIP 68K <KV-E2531B, E2531D> METAL GLAZE METAL GLAZE 5% 5% 5% R838 100K 1/10W 1-216-062-00 1-249-397-11 ↑ 1-402-746-21 ↑ 1-451-311-21 1-452-032-00 1-452-094-00 R839 COIL, DEGAUSSING
DEFLECTION YOKE (Y25FXA)
MAGNET, DISK; 10MM Ø
MAGNET, ROTATABLE DISK; 15MM Ø
SPEAKER (7.5X13CM) 3.6K 1/10W R841 CARBON 1/4W F 22 5% 5% 1-215-890-11 METAL OXIDE 470 2W METAL GLAZE R845 1-216-107-00 270K 1/10W 1-504-151-11 R846 1-216-671-11 METAL CHIP 0.50% 1/10W 6.8K 5% 5% 1-544-767-11 SPEAKER (13CM) A 1-590-460-11 CORD, POWER (WITH CONNECTOR) (KV-E2531B) A 1-590-501-11 CORD, POWER (WITH NOISE FILTER) R847 1-216-101-00 METAL GLAZE 150K 1/10W R849 1-215-881-11 METAL OXIDE 24 R851 CARBON 5% 1/2W 1-247-743-11 1-249-389-11 220 F R852 4.7 0.47 0.47 5% 5% 5% 1/4W 1/4W CARBON F 1-696-406-11 CABLE, SPEAKER (WITH GROMMET) R853 1-249-443-11 CARBON F 1-249-443-11 1/4W CARBON 1-696-407-11 CABLE, SPEAKER (WITH GROWMET) 1-696-409-11 CABLE, SPEAKER (WITH GROWMET) 1-202-818-00 R855 SOLID 10% 1/2W R858 1-249-425-11 CARBON 1/4W V901 A.8-733-231-05 PICTURE TUBE (A59JWC61X) 1-216-101-00 1-247-901-11 1-216-103-00 METAL CHIP R864 150K 0.50% 1/10W 5% 5% 5% R865 CARBON 820K 1/4W METAL GLAZE 1/10W R866 180K <KV-E2931B, E2931D> 1-216-113-00 METAL GLAZE R867 470K 1/10W COIL, DEGAUSSING
DEFLECTION YOKE (Y29FXA)
MAGNET, DISK; 10MM
MAGNET, ROTATABLE DISK; 15MM
Ø ⚠ 1-402-747-21 ⚠ 1-451-313-21 R868 1-249-428-11 CARBON 8.2K 5% 5% 5% 5% 1/4W 1-249-493-11 1-249-393-11 1-249-393-11 1/2W 1/4W R871 CARBON 56K 1-452-032-00 R872 CARBON 10 -452-094-00 R873 CARRON 1/4W 10 ₾ 1-452-509-42 NECK ASSY, PICTURE TUBE (NA-308) R876 1-249-421-11 CARBON 2.2K 1-504-151-11 SPEAKER (7.5X13CM)
1-544-767-11 SPEAKER (13CM)
A 1-590-460-11 CORD, POWER (WITH CONNECTOR) (KV-E2931B)
A 1-590-501-11 CORD, POWER (WITH NOISE FILTER) R877 1-215-880-00 METAL OXIDE 10 5% 2W 5% 2W 0.50% 1/10W R878 1-215-883-11 METAL OXIDE 33 R884 1-216-693-11 1-216-089-00 METAL CHIP METAL GLAZE 56K R889 47K 33K 5% 1/10W (KV-E2931D) R893 1-215-878-00 METAL OXIDE 1-696-406-11 CABLE, SPEAKER (WITH GROMMET) 1-696-407-11 CABLE, SPEAKER (WITH GROMMET) 1-696-409-11 CABLE, SPEAKER (WITH GROMMET) RRSA R895 1-216-079-00 1/10W 1/10W METAL GLAZE 18K R897 1-216-089-00 1-216-262-00 METAL GLAZE METAL GLAZE 47K 470K 1/8W V901 ▲ 8-733-831-05 PICTURE TUBE (A68JYL61X) R1501 1-216-673-11 METAL CHIP 0.50% 1/10W 8.2K R1502 1-216-664-11 1-216-065-00 METAL CHIP 3.6K 0.50% 1/10W <KV-E3431B, E3431D> 5% 5% R1503 METAL GLAZE 4.7K 1/10W R1504 1-216-081-00 METAL GLAZE 22K 1/10W ₾ 1-402-748-11 COIL. DEGAUSSING 5% 5% DEFLECTION YOKE (Y34FXA)
MAGNET, DISK; 10MM Ø
MAGNET, ROTATABLE DISK; 15MM Ø R1505 1-216-081-00 METAL GLAZE 22K 1/10W **▲** 1-451-315-11 R1506 1-216-057-00 METAL GLAZE 2.2K 1/10W 1-452-032-00 1-452-094-00 1-216-684-11 1-216-089-00 R1508 METAL CHIP 0.50% 1/10W 24K ₾ 1-452-579-11 NECK ASSY, PICTURE TUBE (NA322) METAL GLAZE R1509 47K 1.2 1/10W 1/4W F 5% 5% 5% R1510 R1511 1-249-382-11 1-215-887-00 SPEAKER (7.5X13CM)
SPEAKER (13CM)
CORD, POWER (WITH CONNECTOR) (KV-E3431B)
CORD, POWER (WITH NOISE FILTER) CARBON 1-504-151-21 1-544-767-11 METAL OXIDE 150 R1512 1-216-371-00 METAL OXIDE A 1-590-460-11 R1513 1-216-065-00 R1514 1-216-049-00 5% 1/10W METAL GLAZE 4.7K METAL GLAZE 1/10W R1551 1-216-065-00 4.7K 1-696-408-11 CABLE, SPEAKER (WITH GROMMET) 1-696-410-11 CABLE, SPEAKER (WITH GROMMET) METAL GLAZE 1/10W <VARIABLE RESISTOR> V901 ▲ 8-733-723-05 PICTURE TUBE (A80JYV50X) RV601 1-241-628-11 RES, ADJ, CARBON 2.2K

Les composants identifies par une

critiques pour la securite.

portant le numero specifie.

trame et une marque A sont

Ne las remplacer que par une piece

The components identified by

shading and mark A are critical

Replace only with part number

for safety.

specified.

The components identified by shading and mark Δ are critical for safety.

Replace only with part number

specified.

Les composants identifies par une trame et une marque 🗘 sont critiques pour la securite.

Ne les remplacer que par une piece portant le numero specifie.



REF.NO. PART NO				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
	<011	L>				1-216-296-00		0	5 %	1/8W	
L602 1-410-3 L603 1-410-3 L604 1-410-3 L605 1-459-4 L606 1-459-4	96-41 96-41 96-41 42-00 42-00	FERRITE BEAD FERRITE BEAD FERRITE BEAD COIL (WITH COI COIL (WITH COI	INDUCTOR INDUCTOR INDUCTOR RE) RE)		JR506 JR507 JR508 JR509	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00		0	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/8W 1/8W	
L609 1-410-3 L622 1-412-5 L623 1-412-5 L802 1-408-9 L803 1-420-8	96-41 33-21 33-21 47-00	FERRITE BEAD INDUCTOR INDUCTOR INDUCTOR COIL, AIR COR	INDUCTOR 47UH 47UH 2.2MMH		JR510 JR511 JW208 R601 R602	1-216-296-00 1-216-296-00 1-217-587-00 1-216-353-00 1-216-065-00	METAL GLAZE METAL GLAZE RES, SHORT O. METAL OXIDE METAL GLAZE	0 0 01 2.2 4.7K	5% 5% 5%	1/8W 1/8W 1/4W 1W F 1/10W	•
L808 1-412-5 L809 1-459-1 L809 1-459-1 L810 1-460-1 L811 1-412-5	349-11 11-00 11-00 97-11		INMH RE (CDI) RE (CDI) (PMC) 3.3UH		R603 R604 R605 R606 R607	1-215-901-00 1-247-883-00 1-216-313-00 1-216-033-00 1-216-061-00	METAL GLAZE METAL GLAZE	33K 150K 8.2 220 3.3K	5% 5% 5% 5% 5%	2W F 1/4W 1/10W 1/10W 1/10W	•
L812	519-11 519-11 584-11 531-31		3.30H 3.30H 330H		R608 R609 R610 R611 R612	1-215-928-11 1-216-005-00 1-247-885-00 1-249-405-11 1-247-894-11	METAL OXIDE METAL GLAZE CARBON CARBON CARBON	68K 15 180K 100 430K	5% 5% 5% 5%	3W F 1/10W 1/4W 1/4W 1/4W	
L1503 1-412-5		INDUCTOR	33UH		R613 R614 R615 R617 R618	1-216-260-00 1-216-487-11 1-216-487-11 1-216-033-00 1-216-449-11	METAL OXIDE METAL GLAZE	390K 12K 12K 220 56	5% 5% 5% 5%	1/8W 3W F 3W F 1/10W 2W F	
PS601 & 1-532-6 PS602 & 1-532-6 PS603 & 1-532-6 PS604 & 1-532-6	86-91 86-91	LINK, IC 2.7A LINK, IC 2.7A			R620 R621 R622 R623 R625	1-216-045-00 1-216-659-11 1-216-041-00 1-216-073-00 1-216-449-11	METAL GLAZE METAL GLAZE	680 2.2K 470 10K 56	5% 0.50% 5% 5%	1/10W 1/10W 1/10W 1/10W 2W F	
	<tra< td=""><td>NSISTOR></td><td></td><td></td><td>R626</td><td>1-216-635-11 1-249-398-11</td><td>METAL CHIP CARBON</td><td>220 27</td><td>0.50%</td><td>1/10W 1/4W F</td><td></td></tra<>	NSISTOR>			R626	1-216-635-11 1-249-398-11	METAL CHIP CARBON	220 27	0.50%	1/10W 1/4W F	
9602 8-729-1 9603 8-729-9 9610 8-729-2	177-22 100-53 216-22	TRANSISTOR BU TRANSISTOR 2S TRANSISTOR DT TRANSISTOR 2S	B772-Q C114EK A1162-G		R627 R628 R629 R630	1-215-464-00 1-215-464-00 1-216-045-00	METAL METAL METAL GLAZE	62K 680	5% 1% 1% 5%	1/4W 1/4W 1/10W	
Q611 8-729-1 Q801 8-729-0 Q802 8-729-1 Q804 8-729-2 Q805 8-729-2	016-32 140-97 216-22	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	C4927-01 B734-34 A1162-G		R631 R633 R634 R635 R636	1-216-397-11 1-249-415-11 1-215-477-00 1-216-073-00 1-216-452-11	CARBON METAL METAL GLAZE	4.7 680 220K 10K 180	5% 5% 5% 5%	3W F 1/4W 1/4W 1/10W 2W F	
48 06 8-729-0	354-11 119-80 120-28	TRANSISTOR 2S SCREW (M3X10) TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	K1916-02F87 , P, SW (+); C2688-LK C1623-L5L6		R637 R638 R639 R640 R651	1-216-113-00 1-216-073-00 1-216-089-00 1-207-905-00 1-216-069-00	METAL GLAZE	470K 10K 47K 0.27 6.8K	5% 5% 10%	1/10W 1/10W 1/10W 2W F 1/10W	
4818 8-729-2 41501 8-729-1 41502 8-729-9 41503 8-729-2 41504 8-729-9	216-22 120-28 901-01 216-22	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR DT TRANSISTOR 2S TRANSISTOR DT	A1162-G C1623-L5L6 C144EK A1162-G		R801 R802 R804 R805 R806	1-216-053-00 1-216-295-00 1-217-778-11 1-216-677-11 1-216-061-00	METAL GLAZE METAL GLAZE FUSIBLE METAL CHIP METAL GLAZE	1.5K 0 1K 12K 3.3K	5% 5% 5% 0.50% 5%	1/10W 1/10W 1W F 1/10W 1/10W	
JRO01 1-216-2	<res< td=""><td>ISTUR> METAL GLAZE</td><td>0 5%</td><td>1/10W</td><td>R807 R808 R809 R811 R812</td><td>1-216-037-00 1-216-085-00 1-216-097-00 1-216-033-00 1-216-061-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>330 33K 100K 220 3.3K</td><td>5% 5% 5% 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W</td><td></td></res<>	ISTUR> METAL GLAZE	0 5%	1/10W	R807 R808 R809 R811 R812	1-216-037-00 1-216-085-00 1-216-097-00 1-216-033-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	330 33K 100K 220 3.3K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
JR002 1-216-2 JR003 1-216-2 JR004 1-216-2 JR005 1-216-2	295-00 295-00 295-00 295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W	R813 R814 R815 R819	1-216-065-00 1-216-091-00 1-216-081-00 1-247-755-11	METAL GLAZE METAL GLAZE METAL GLAZE CARBON	4.7K 56K 22K 1.8K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/2W F	
JR500 1-216-2 JR501 1-216-2 JR502 1-216-2 JR503 1-216-2 JR504 1-216-2	296-00 296-00 296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W	R820 R821 R822 R823	1-216-097-00 1-216-481-11 1-216-481-11 1-216-065-00	METAL GLAZE METAL OXIDE METAL GLAZE	1.2K 1.2K 1.2K 4.7K	5% 5%	1/10W 3W F 3W F 1/10W	

REF. NO. PART NO.

DESCRIPTION

REMARK

ACCESSORIES AND PACKING MATERIALS ***********************

<KV-E2531B, E2531D>

A-1678-043-A
BOX ASSY, WOUFER
A-1678-047-A
BOX COMPLETE ASSY (L)
A-1678-047-A
BOX COMPLETE ASSY (R)
3-755-382-81
HANUAL, INSTRUCTION (FRENCH) (KV-E2531B)
MANUAL, INSTRUCTION (GERMAN/ENGLISH/

FRENCH/DUTCH/ITALIAN/PORTUGUESE)

(KV-E3531D)

*4-201-012-02 CUSHION (UPPER) (ASSY) *4-201-013-01 CUSHION (LOWER) (ASSY) *4-201-015-04 INDIVIDUAL CARTON

*4-380-340-01 BAG, PROTECTION

<KV-E2931B, E2931D)

A-1678-040-A
BOX COMPLETE ASSY (R)
A-1678-041-A
BOX COMPLETE ASSY (L)
A-1678-043-A
BOX ASSY, WOOFER
3-755-382-81
ANNUAL, INSTRUCTION (FRENCH) (KV-E2931B)
MANUAL, INSTRUCTION (GERMAN/ENGLISH/

FRENCH/DUTCH/ITALIAN/PORTUGUESE)

(KV-E2931D)

*4-200-036-02 INDIVIDUAL CARTON
*4-200-041-02 CUSHION (UPPER) (ASSY)
*4-200-042-01 CUSHION (LOWER) (ASSY)

*4-384-027-01 BAG, PROTECTION

<KV-E3431B.E3431D>

A-1678-038-A

A-1678-039-A A-1678-050-A *X-4200-082-1

BOX COMPLETE ASSY (RIGHT) BOX COMPLETE ASSY (LEFT) BOX ASSY, WOOFER CUSHION ASSY, FRONT SCREW (B) ASSY, ORNAMENTAL X-4374-104-1

1-506-450-11 PLUG, AERIAL CONVERSION (KV-E3431B)

MANUAL, INSTRUCTION (FRENCH/GERMAN/ ITALIAN) (KV-B34 MANUAL, INSTRUCTION (GERMAN/ENGLISH/ FRENCH/DUTCH/ITALIAN) (KV-E34 CUSHION (UPPER) (ASSY) 4-200-975-51

(KV-E3431B) 4-200-975-11

(KV-E3431D)

***4-202-175-01**

*4-202-178-01

INDIVIDUAL CARTON *4-202-179-01

*4-202-180-01 CUSHION (LOWER)

PALLET *4-202-181-01

BAG, PROTECTION *4-388-954-01

*4-396-077-01 JOINT

REMOTE COMMANDER

1-693-176-11 REMOTE COMMANDER (RM-830)

(KV-E2531B, E2531D, E2931B, E2931D)

1-466-804-11 REMOTE COMMANDER (RM-832)

(KV-E3431B, E3431D) 9-903-466-01 POCKET COVER (FOR RM-830, RM-832)